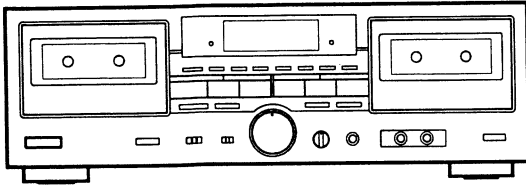


TEAC®



SERVICE MANUAL

W-800R/W-700R

Double Auto Reverse Cassette Deck

NOTES

- PC boards shown are viewed from parts side.
- Parts marked with * require longer delivery time.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- △ Parts marked with this sign are safety critical components. They must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.
- Parts of [] mark can be used only with the version designated.
[J]: JAPAN [US]: U. S. A. [C]: CANADA [GE]: GENERAL EXPORT
[E]: EUROPE [UK]: U. K. [A]: AUSTRALIA

注 意

- プリント基板図は部品面が示されています。
- * 印の部品は納期が若干かかります。あらかじめご了承ください。
- 分解図に部番のない部品及び品番のない部品は供給しません。
- 標準の抵抗、コンデンサーは省略してあります。回路図を参照してください。
- △印は安全重要部品です。交換する時は必ずティアック指定の部品を使用してください。
- 仕向先
[J]: JAPAN [US]: U. S. A. [C]: CANADA [GE]: GENERAL EXPORT
[E]: EUROPE [UK]: U. K. [A]: AUSTRALIA

1 SPECIFICATIONS

仕 様

Track System : 4-Track, 2-Channel Stereo

Heads : [W-800R]

4 ; Deck I ; 1 Erase and 1 Record/Playback
(Rotating)

Deck II ; 1 Erase and 1 Record/Playback
(Rotating)

[W-700R]

3 ; Deck I ; 1 Playback (Rotating)

Deck II ; 1 Erase and 1 Record/Playback
(Rotating)

Type of Tape : Cassette tape C-60 and C-90 (Philips type)

Tape Speeds :

4.76 cm/sec (1-7/8 ips)

9.5 cm/sec (3-3/4 ips) (High speed dubbing)

Motors : 2 DC servo motors (1 ea. deck)

Wow and Flutter : 0.06 % (WRMS)

Frequency response (Overall, -20 dB) :

25-19,000 Hz, Metal tape

25-18,000 Hz, CrO₂ tape

25-17,000 Hz, Normal tape

Signal-to-Noise Ratio (Overall) :

59 dB (NR off, 3 % THD Level, Weighted)

69 dB (Dolby B NR on, over 5 kHz)

79 dB (Dolby C NR on, over 1 kHz)

Fast Winding Time :

Approximately 110 seconds for C-60

Inputs : Line : 97 mV, 50 k ohms

Mic : 0.38 mV, 200 ohms [W-800R]

Outputs : Line : 0.52 V for load impedance of 50 k ohms
or more

Headphones : 8 ohms

Power Requirements :

120/230 V AC, 50-60 Hz

(General Export model)

120 V AC, 60 Hz (U.S.A./Canada model)

230 V AC, 50 Hz (Europe model)

240 V AC, 50 Hz (U.K./Australia model)

Power Consumption : 15 W [W-800R]/14 W [W-700R]

Dimensions (W × H × D) :

435 × 144 × 284 mm

(17-1/8" × 5-11/16" × 11-3/16")

Weight (net) : 4.8 kg (10-9/16 lbs.) [W-800R]

4.6 kg (10-1/8 lbs.) [W-700R]

Standard Accessories : Input-output connection cords

[W-800R]

トラック形式

4トラック2チャンネル ステレオ

ヘッド構成

録音/再生ヘッド×1, 消去ヘッド×1
(ロータリー式, TAPE I / TAPE II)

使用テープ

C-60, C-90タイプ カセットテープ

テープ速度

4.8cm/sec, 9.5cm/sec (倍速ダビング時)

モーター

DCサーボモーター×1 (TAPE I / TAPE II)

ワウ・フラッター

0.06 % (W. RMS)

± 0.1 % (W. Peak) *

周波数特性(総合) メタル :

25~20,000Hz (30~19,000Hz ± 3dB *)

クローム :

25~19,000Hz (30~18,000Hz ± 3dB *)

ノーマル :

25~18,000Hz (30~17,000Hz ± 3dB *)

SN比(総合)

58dB (NR OFF, 規定録音レベル) *

69dB (ドルビー B NR ON, CCIR-ARM)

79dB (ドルビー C NR ON, CCIR-ARM)

早巻時間

約 110 秒 (C-60 テープ)

入力

ライン : 97mV

(入力インピーダンス 50k Ω)

マイク : 0.38mV

(入力インピーダンス 200 Ω)

出力

ライン : 0.52V

(負荷インピーダンス 50k Ω 以上)

ヘッドホン : 8 Ω

電源

100V AC, 50-60Hz

消費電力

15W

外形寸法

435 × 144 × 284mm (W × H × D)

重量

4.8kg

付属品

リモコンユニット RC-506 × 1

入出力コード × 2, 乾電池 (単 4) × 2

取扱説明書, 保証書

●仕様および外観は、改善のため予告なく変更することがあります。

●*印は、日本電子機械工業会 (EIAJ CP-2311) 規格に定められた測定法によるものです。

●Specifications were determined using metal tape except as noted.

●Improvements may result in specification or feature changing without notice.

Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen.

"DOLBY", the double-D symbol  and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.

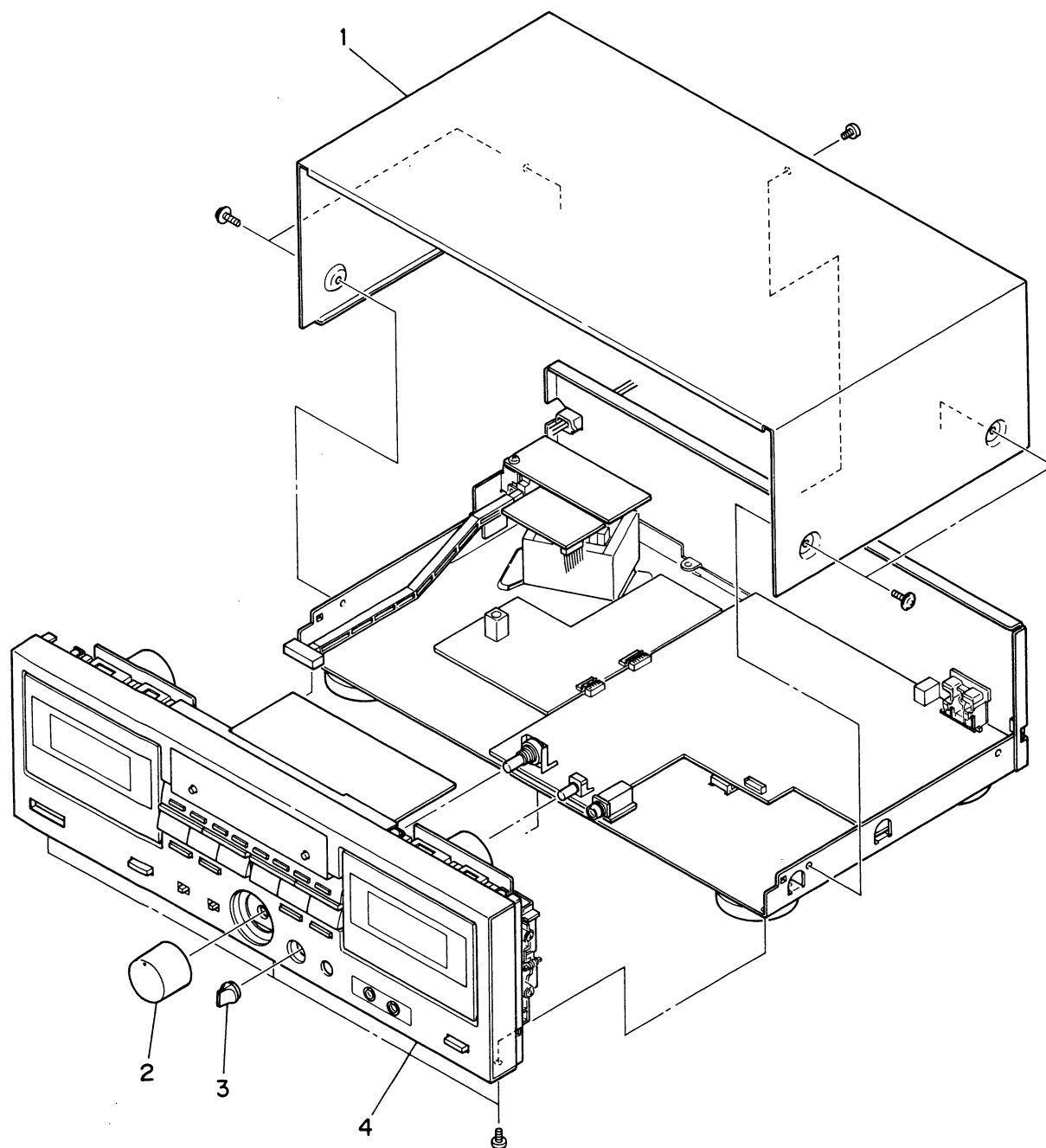
ドルビーノイズリダクション及びHXプロヘッドルームエクステンションはドルビーラボラトリーズライセンシングコーポレーションからの実施権に基づき製造されています。HXプロはバンゲアンドオルフセンの考案です。

ドルビー, DOLBY, ダブルD記号  及びHXプロはドルビーラボラトリーズライセンシングコーポレーションの登録商標です。

2 CASE AND FRONT PANEL REMOVAL

外装部品の外し方

Disassemble in number-order
番号順に外してください

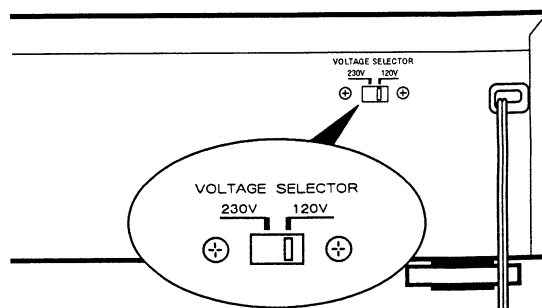


Voltage Conversion

(General export models only)

Be sure to remove the power cord from the AC outlet before repositioning the voltage converter switch.

1. Locate the voltage selector on the rear panel.
2. Using a flat-bladed screwdriver, set to the appropriate 230 V or 120 V position according to your area.



3 ADJUSTMENT AND CHECKS

調整と確認

3-1 MECHANICAL ADJUSTMENT

3-1-1 Wow and flutter (playback method)

Note: In both FWD and REV play modes, these measurements should be made at the beginning, middle, and the end of the tape.

1. Connect a wow-and-flutter meter to the deck as shown in Fig. 3-1.
2. Load and play a TEAC MTT-111N test tape.
3. Check that the readings on the wow-and-flutter meter is within 0.15 % (WRMS).

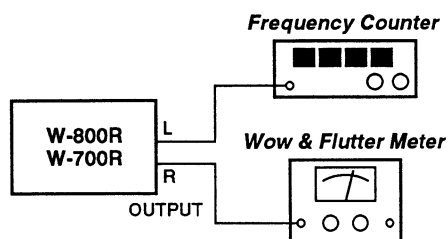


Fig. 3-1

3-1 機構部の調整

3-1-1 ワウ・フラッタ (再生法)

注: FWD, REV両方向でテープの巻始め、中間、巻終りを測定する。

1. Fig. 3-1 のようにワウ・フラッターメーターを接続する。
2. テストテープ MTT-111N を再生する。
3. ワウ・フラッタ値が 0.15 % (WRMS) 以下であることを確認する。

3-1-2 Tape speed

1. Connect a frequency counter to the deck as shown in Fig. 3-1.
2. Load a TEAC MTT-111N test tape and play in FWD direction the beginning of the test tape.
3. Adjust each variable resistor (Fig. 3-2) to get the following figures.

	Adjustment point		Adjustment value (Hz)
DECK I	HIGH speed	VR1	5,990~6,010
	LOW speed	VR2	2,995~3,005
DECK II	HIGH speed	VR3	5,990~6,010
	LOW speed	VR4	2,995~3,005

* At first, adjust HIGH tape speed.

* Short TP1 to get the HIGH tape speed.

4. In play mode, check that the following figures are obtained at the beginning and at the end of the tape.

	Speed drifting
HIGH speed	Within 90Hz
LOW speed	Within 45Hz

3-1-2 テープスピード

1. Fig. 3-1 のように周波数カウンターを接続する。
2. テストテープ MTT-111N の巻始め部を FWD 方向で再生する。
3. 周波数値が下表の範囲内になるよう、各調整 VR (Fig. 3-2) を調整する。

	調整箇所		調整値 (Hz)
DECK I	HIGH speed	VR1	5,990~6,010
	LOW speed	VR2	2,995~3,005
DECK II	HIGH speed	VR3	5,990~6,010
	LOW speed	VR4	2,995~3,005

* HIGH Speed を先に調整すること。

* TP1 をショートすると、HIGH Speed になる。

4. 巻始めから巻終りまで再生し、変動幅を確認する。

	変動幅
HIGH speed	90Hz 以内
LOW speed	45Hz 以内

3-1-3 Reel torque

1. Load the cassette torque meter on the deck and read the pointer indication on the dial scale for each tape transport operation. The measured torque should be within the following specified values.

Take-up : 35 to 70g・cm

Supply : 2.5 to 6g・cm

FF/REW : 80 to 170g・cm

3-1-3 リールトルク

1. カセット型トルクメーターによる測定値が下記の範囲内であることを確認する。

テイクアップトルク : 35~70g・cm

バックテンショントルク : 2.5~6g・cm

早送り/巻戻しトルク : 80~170g・cm

3-2 ELECTRICAL ADJUSTMENT

3-2-1 Precautions

- Before performing adjustments and checks clean and demagnetize the entire tape path.
- In general, adjustments and checks are made in the order of Lch then Rch. Double REF. Nos. indicate Lch/Rch. (Example; R11/R21)
- 0dB is referenced to 0.775V.
- The AC voltmeter used in the procedures must have an input impedance of 1MΩ or more.
- Input terminals and measuring points at each step are the same as previous step, otherwise specified.
- Unless specified otherwise, adjustments and checks are made in FWD direction.

3-2 アンプ部の調整

3-2-1 注意

- アンプ部の調整・確認の前に、テープ走行系の消磁と清掃を行ってください。
- 特に指定のない限り、調整はLch, Rchの順序で行なってください。尚、R11/R21のように記されている回路番号はLch/Rchを示します。
- 0dB=0.775V
- 測定に使用するレベル計の入力インピーダンスは1MΩ以上のものを使用してください。
- 入力端子及び測定箇所は各ステップに於て特に明記されている場合を除き、直前のステップと同じです。
- 特に指定のない場合、調整および確認はFWD方向で行なってください。

3-2-2 Adjustment locations 調整箇所

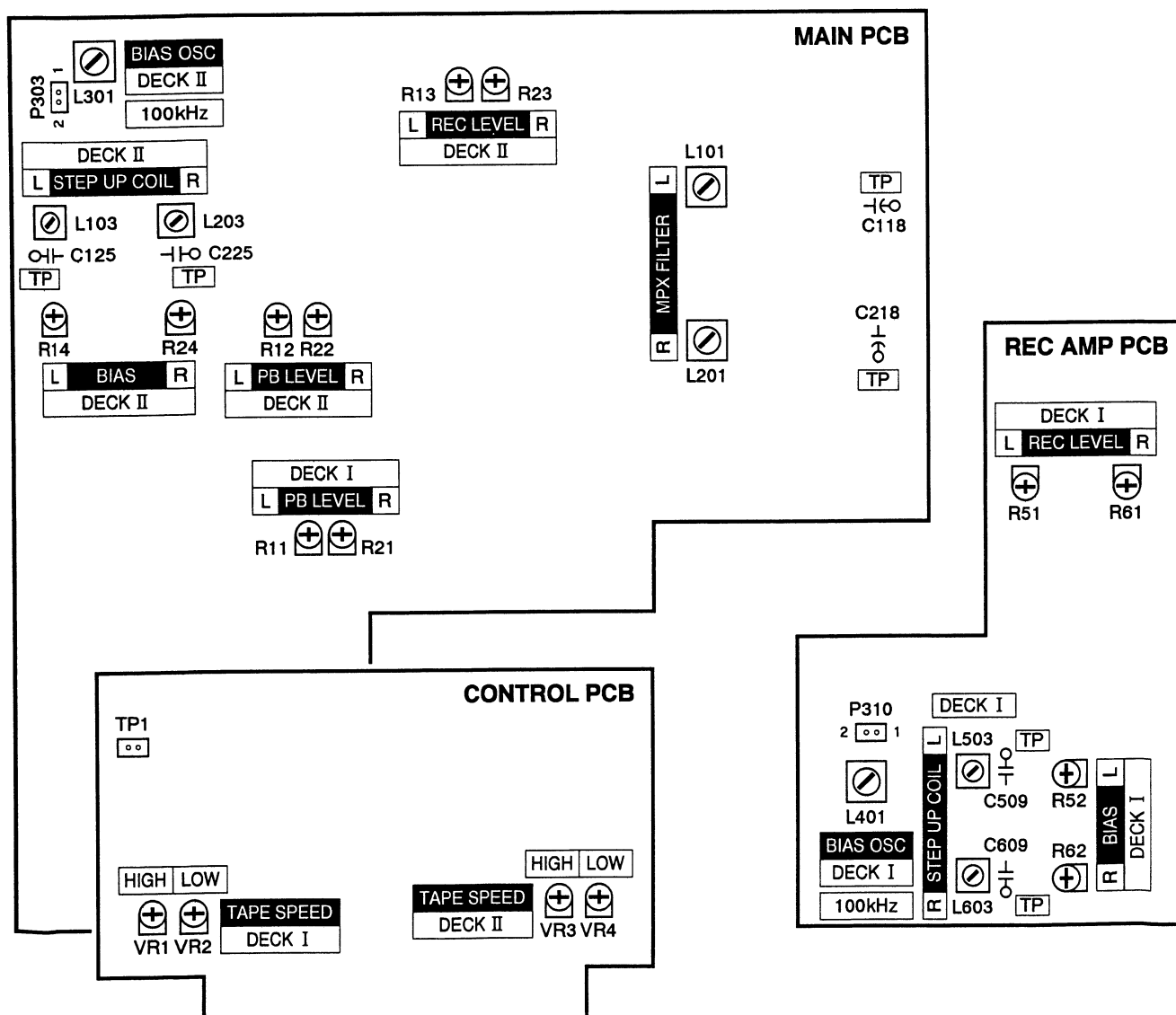


Fig. 3-2

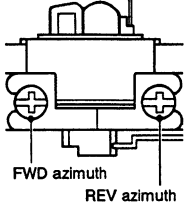
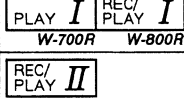
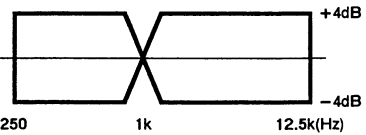
3-2-3 Playback performance 再生系

Deck settings :

Mode : PLAY
DOLBY NR Switch : OFF

TEAC test tapes :

MTT-150C : For Dolby level calibration
MTT-25702 : For playback frequency response check NORMAL tape
MTT-5512 : For S/N check NORMAL tape

ITEM 項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整箇所	MEASURING POINTS, RESULT 測定箇所・調整値	REMARKS 備考
1. Head azimuth adjustment アジマス調整	Connection : Fig. 3-4 Check/adjust in FWD, REV respectively FWD、REVそれぞれ 調整・確認	MTT-150C	Check	OUTPUT : Phase : within 45° 位相 : 45° 以内 (Fig. 3-5)	 FWD azimuth REV azimuth
		MTT-25702 (12.5kHz)	Azimuth screws アジマス調整ねじ	OUTPUT : Maximum output level at L & R-ch Lch、Rchとも出力最大	
2. DOLBY level ドルビーレベル	Connection : Fig. 3-6 FWD PLAY	MTT-150C	R11/R21 R12/R22	TP; C118 $\ominus$ /C218 $\ominus$: - 6dB (388mV)	
3. Playback output level 再生出力レベル	Connection : Fig. 3-3 FWD/REV PLAY	MTT-150C	Check	OUTPUT : - 4.5 $\pm$ 1dB (411mV $\sim$ 518mV)	Ref. output level 基準出力レベル
4. Meter level メーターレベル		MTT-150C	Check	PEAK LEVEL METER: ☒ mark $\pm$ 1dot	
5. PHONES output level PHONES 出力レベル	Connection : Fig. 3-7	MTT-150C	Check	PHONES : - 19 $\pm$ 3dB (61.6mV $\sim$ 123mV)	8 Ω load 8 Ω 負荷
6. Playback frequency response 再生周波数特性	Connection : Fig. 3-3	MTT-25702	Check	 250 1k 12.5k(Hz)	
7. Playback S/N ratio 再生S/N比	Connection : Fig. 3-3	MTT-5512 Playback the leader tape portion リーダーテープ部を 再生	Check	46dB min.	Ratio of ref. level to noise 基準出力レベルと ノイズの比

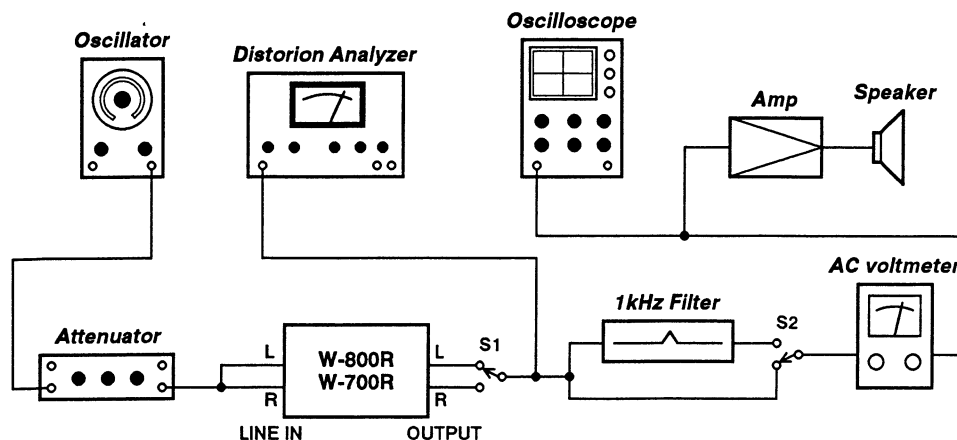


Fig. 3-3 Basic test setup

3-2-4 Monitor performance モニター系

Deck settings :

Mode : REC-PAUSE
DOLBY NR Switch : OFF

ITEM 項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整箇所	MEASURING POINTS, RESULT 測定箇所・調整値	REMARKS 備考
8. Min. LINE input level ライン最小 入力レベル	Connection : Fig. 3-3 REC LEVEL Control:MAX BALANCE Control:Center	LINE IN : 400Hz/- 19dB (87mV)	Check	OUTPUT : - 4.5 ± 3dB (327mV~652mV)	
9. Min. MIC input level マイク最小 入力レベル [W-800R]	Connection : Fig. 3-3 REC LEVEL Control:MAX BALANCE Control:Center	MIC : 400Hz/- 67dB (0.346mV)	Check	OUTPUT : - 4.5 ± 3dB (327mV~652mV)	
10. Specified LINE input level ライン規定 入力レベル	Connection : Fig. 3-3	LINE IN : 400Hz/- 9dB (275mV)	REC LEVEL Control BALANCE Control	OUTPUT : - 4.5dB (462mV)	After adjusting, do not move (Specific position) 調整後は動かさないこと(規定位置)
11. Monitor S/N ratio モニター S/N比	Connection : Fig. 3-3	LINE IN : No signal 無信号	Check	60dB min.	Ratio of ref. level to noise 基準出力レベルと ノイズの比

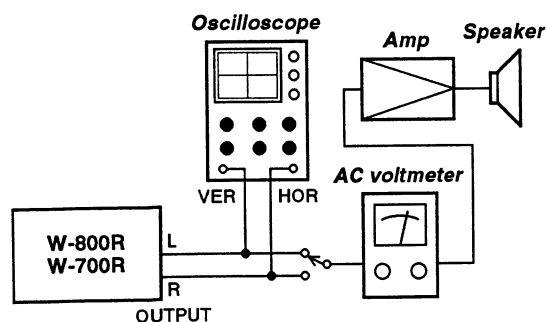


Fig. 3-4 Test setup for azimuth check

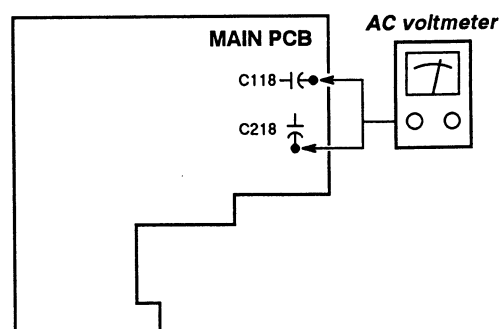


Fig. 3-6 Test setup for DOLBY level adjustment

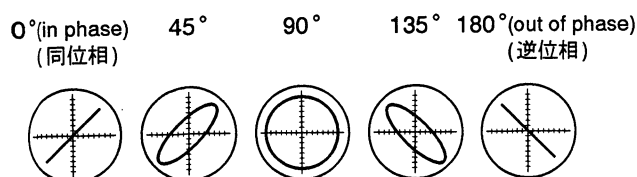


Fig. 3-5 Confirming phase relationship

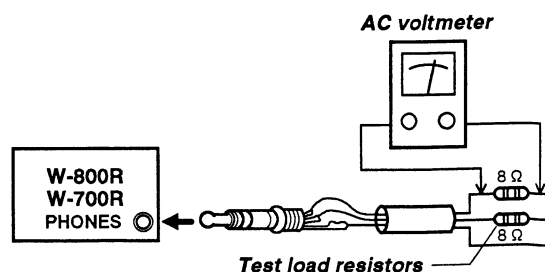


Fig. 3-7 Test setup for PHONES check

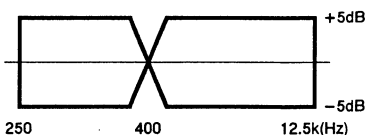
3-2-5 Recording performance 録音系

Deck settings :

Mode : REC/PLAY
DOLBY NR Switch : OFF
REC LEVEL Control : Specified position 規定位置 (Item10)
BALANCE Control : Specified position 規定位置 (Item10)

TEAC recording test tapes :

MTT-5512 : For NORMAL
MTT-5562 : For CrO₂
MTT-5571 : For METAL

ITEM 項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整箇所	MEASURING POINTS, RESULT 測定箇所・調整値	REMARKS 備考
12. Bias osc frequency バイアス 発振周波数	Connection : Fig. 3-8 TAPE : MTT-5512 Mode : REC	LINE IN : No signal 無信号	L301	P303-1 : 100kHz	REC/ PLAY II
			L401	P310-2 : 100kHz	REC/ PLAY I W-800R
13. Step up coil ステップアップ コイル	Connection : Fig. 3-9 TAPE : MTT-5571 Mode : REC	LINE IN : No signal 無信号	L103/L203	TP ; C125/C225 : Min. DC voltage DC 電圧最小	REC/ PLAY II
			L503/L603	TP ; C509/C609 : Min. DC voltage DC 電圧最小	REC/ PLAY I W-800R
14. Record bias 録音バイアス	Connection : Fig. 3-3 TAPE : MTT-5512	LINE IN : 250Hz/10kHz - 42dB (6.16mV)	R14/R24	OUTPUT : Nearly equal level at both frequencies 両周波数の録再出力が 同レベル	REC/ PLAY II
			R52/R62		REC/ PLAY I W-800R
15. MPX filter MPX フィルター	Connection : Fig. 3-3 Mode : REC	LINE IN : 19kHz/- 12dB (195mV)	L101/L201	30dB min.	Ratio of ref. level to signal 基準出力レベルに 対する比
16. Record level adjustment 録音レベル調整	Connection : Fig. 3-3 TAPE : MTT-5512	LINE IN : 400Hz/- 12dB (195mV)	R13/R23	OUTPUT : - 7.5dB (327mV)	REC/ PLAY II
			R51/R61		REC/ PLAY I W-800R
17. Record level check 録音レベル確認	Connection : Fig. 3-3 TAPE : MTT-5562 MTT-5571	LINE IN : 400Hz/- 12dB (195mV)	Check	OUTPUT : - 7.5 ± 1dB (291mV~367mV)	
18. Total harmonic distortion 総合歪率	Connection : Fig. 3-3 TAPE : MTT-5512 MTT-5562 MTT-5571	LINE IN : 400Hz/- 12dB (195mV)	Check	NORMAL : 2.0 % or less CrO ₂ : 2.5 % or less METAL : 2.5 % or less	
19. Overall frequency response 録再周波数特性	Connection : Fig. 3-3 TAPE : MTT-5512 MTT-5562 MTT-5571	LINE IN : 250Hz~12.5kHz - 42dB (6.16mV)	Check		
20. Overall S/N ratio 総合S/N比	Connection : Fig. 3-3 TAPE : MTT-5512 MTT-5562 MTT-5571	LINE IN : No signal 無信号	Check	NORMAL : 45dB min. CrO ₂ : 46dB min. METAL : 46dB min.	Ratio of ref. level to noise 基準出力レベルと ノイズの比

ITEM 項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整箇所	MEASURING RESULT 調整値	REMARKS 備考
21. Erase efficiency 消去率	Connection : Fig. 3-3 TAPE : MTT-5571 1kHz B.P.F in	LINE IN : 1kHz/+ 1dB (870mV)	Check	65dB min.	Ratio of the 1kHz recorded portion to the erased portion. 未消去部分と消去部分の比
22. REC MUTE function REC MUTE 効果	Connection : Fig. 3-3 TAPE : MTT-5571 1kHz B.P.F in	LINE IN : 1kHz/+ 1dB (870mV)	Check	55dB min.	Ratio of the 1kHz recorded portion to the "REC MUTE" portion. 録音部分と"REC MUTE" 部分の比
23. Channel seperation チャンネル セパレーション	Connection : Fig. 3-3 TAPE : MTT-5562 1kHz B.P.F in	LINE IN : Lch 1kHz/- 9dB (275mV) Rch No signal 無信号	Check	35dB min.	Ratio of the 1kHz recorded portion (Lch) to the no signal portion (Rch). 録音部分 (Lch) と無信号部 分 (Rch) の比
24. Adjacent track crosstalk トラック間 クロストーク	Connection : Fig. 3-3 TAPE : MTT-5571	LINE IN : Lch No signal 無信号 Rch 125Hz/- 9dB (275mV)	Check	40dB min.	Invert tape and play Rch track. Check leakage level against the output reference of previously recorded portion. テープを反転して再生した 時の Rch 出力レベルの比

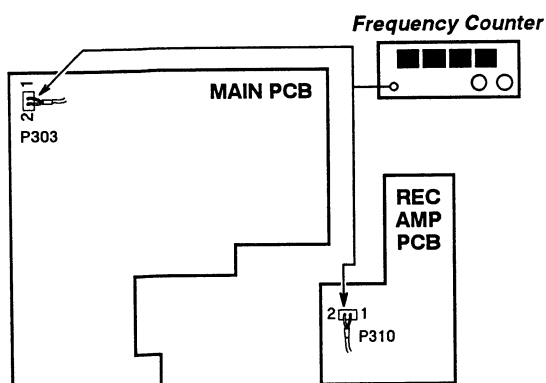


Fig. 3-8 Test setup for bias OSC adjustment

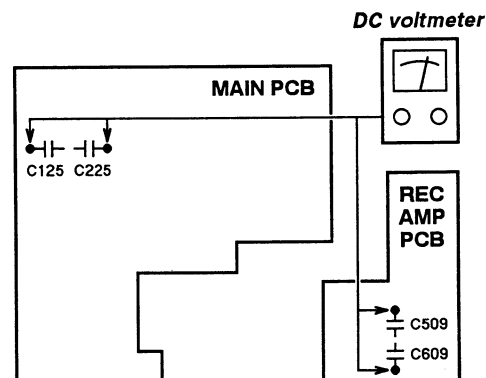
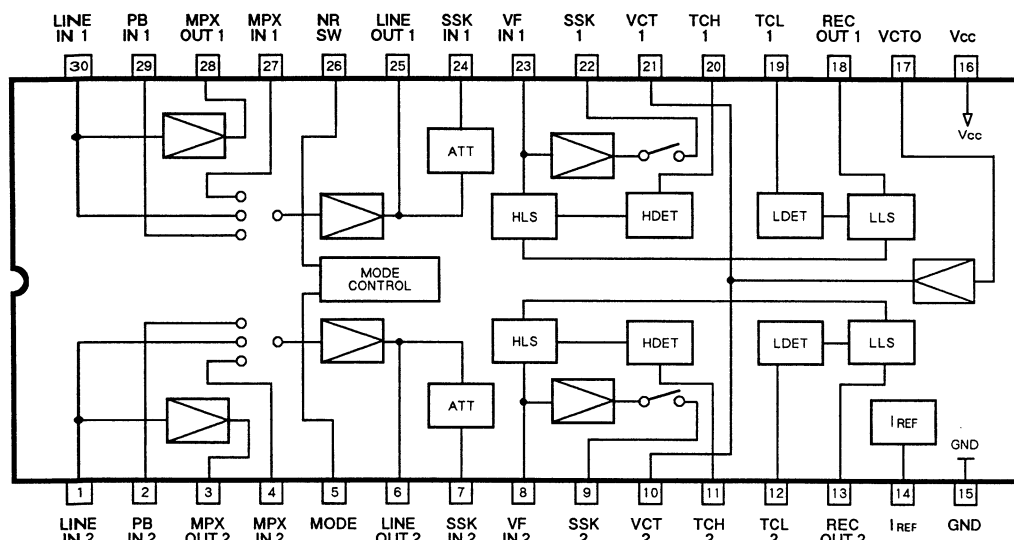


Fig. 3-9 Test setup for step up coil adjustment

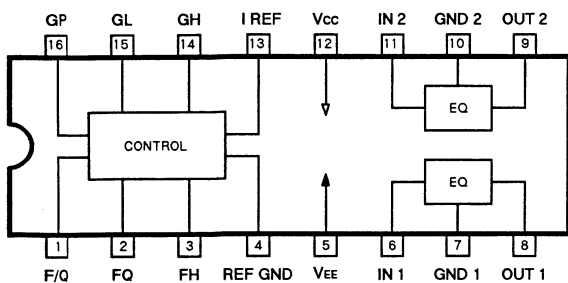
4 IC BLOCK DIAGRAMS

IC ブロックダイアグラム

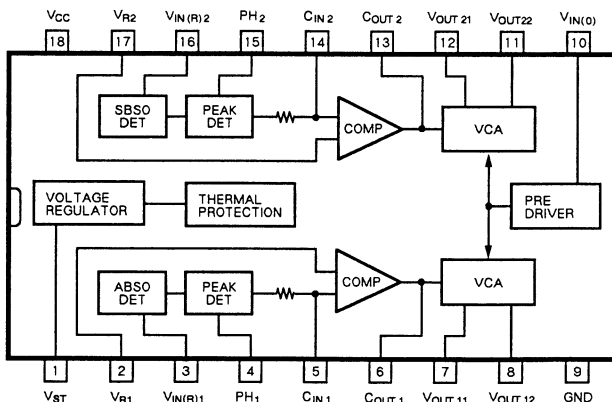
U305 CXA1331S



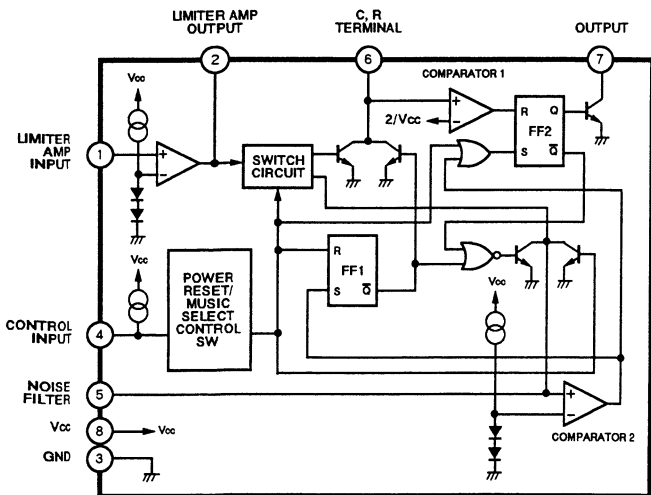
U308 CXA1198AP



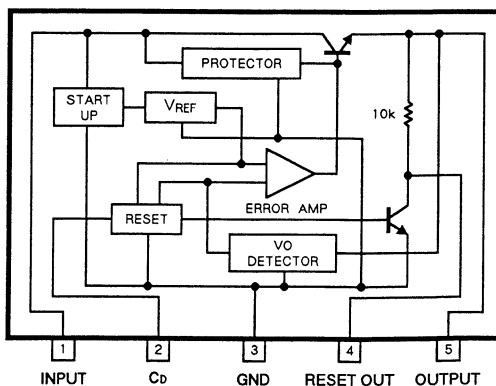
U310, U403 uPC1297CA



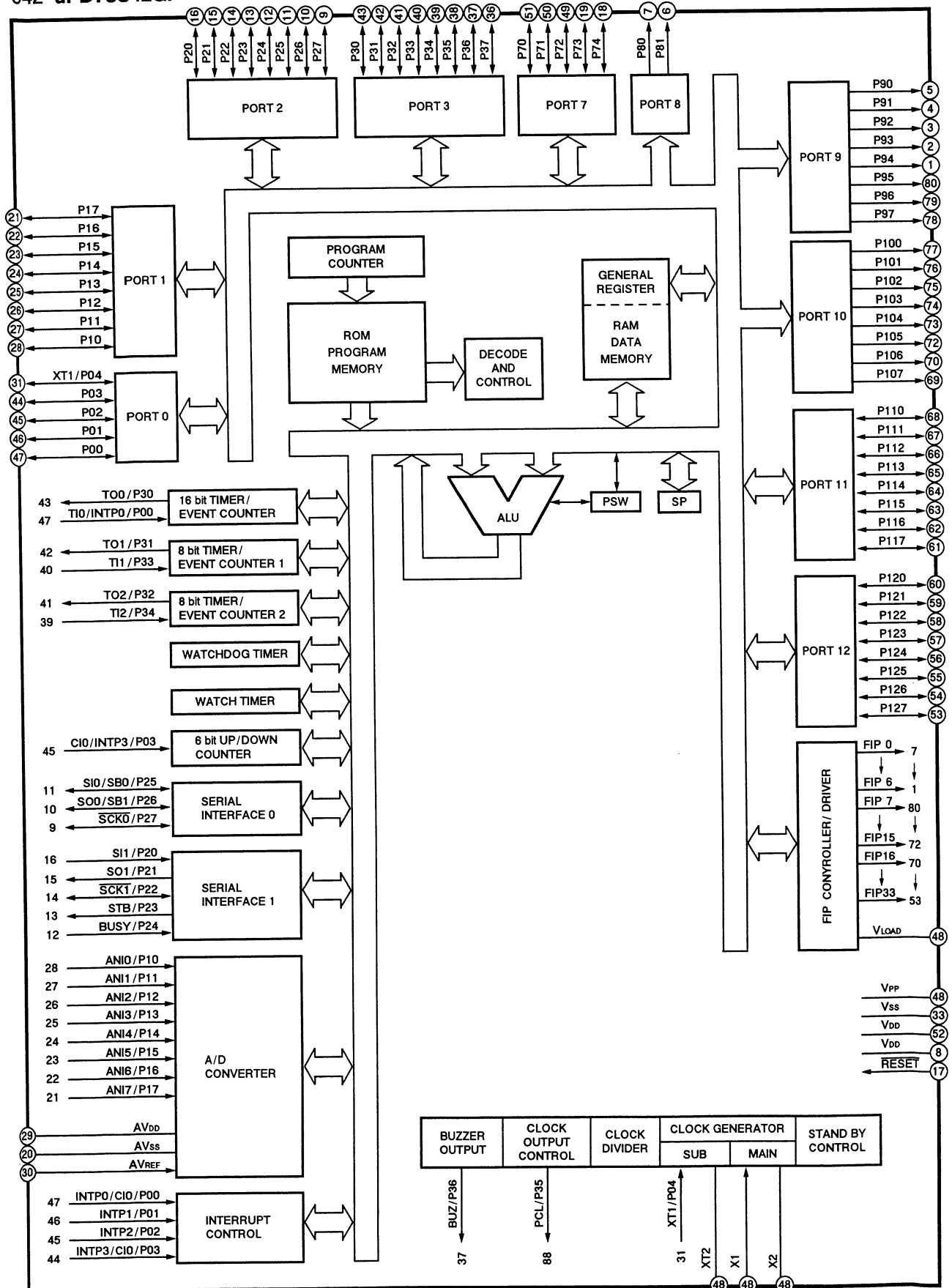
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U41 L78LR05D



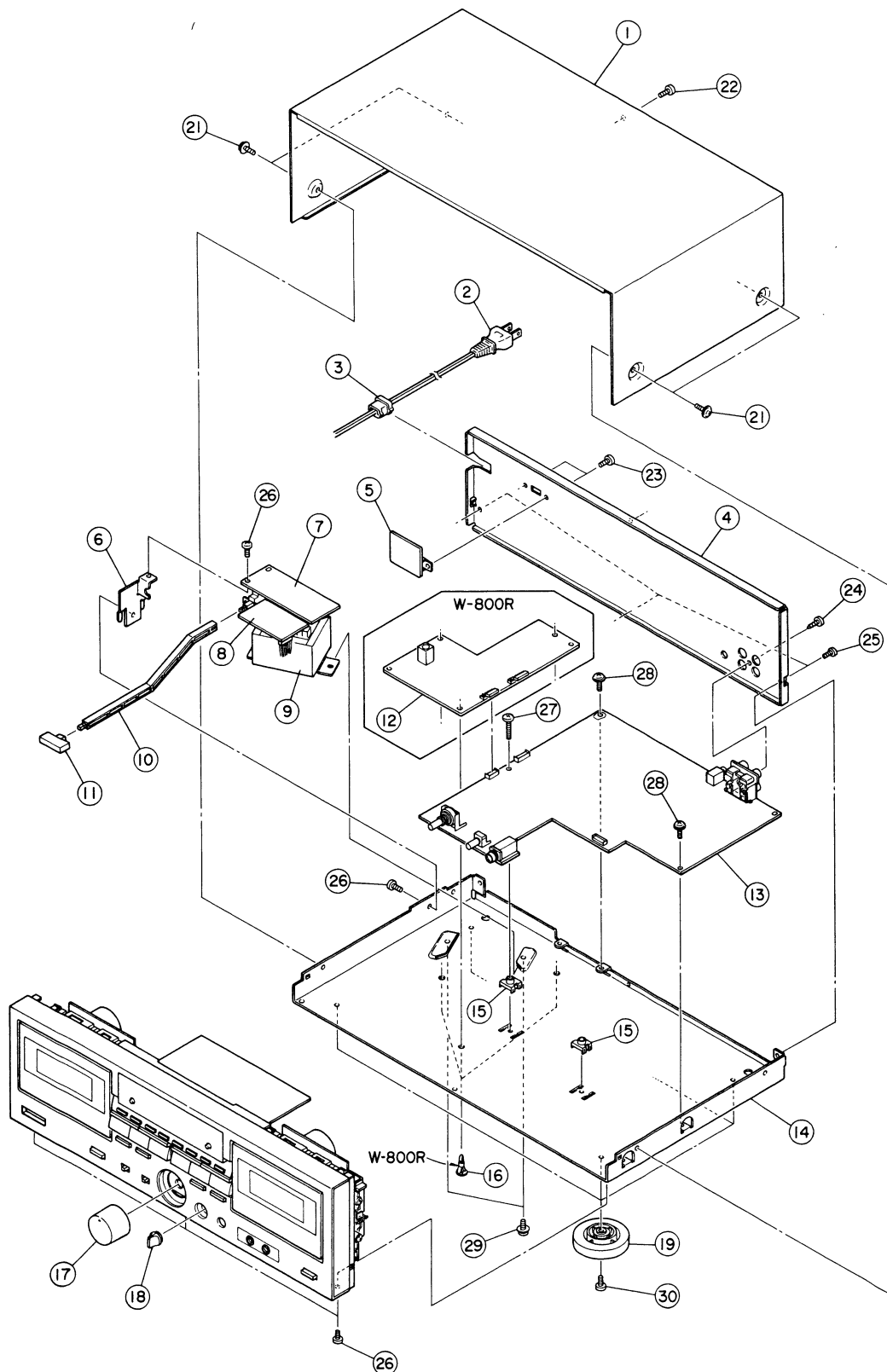
U42 uPD78042GF



5 EXPLODED VIEWS AND PARTS LIST

分解図とパーツリスト

EXPLODED VIEW-1



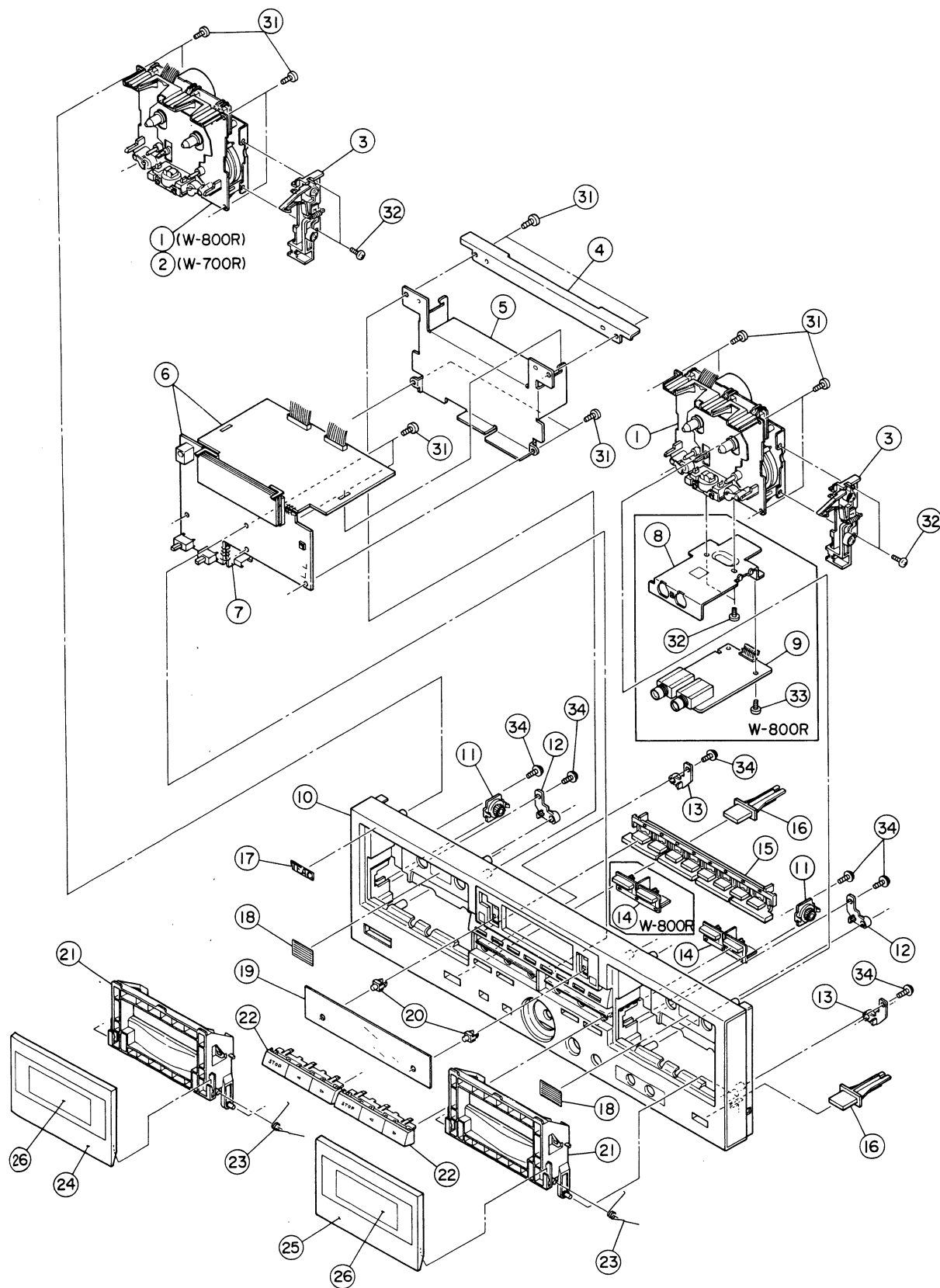
EXPLODED VIEW-1

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
I- 1	*9260155903	BONNET	
I- 2	△ 9109025710	AC CORD, CEE [E]	
	△ 9109025810	AC CORD, UL [GE]	
	△ 9109025910	AC CORD, BS [UK]	
	△ 9109026010	AC CORD [A]	
	△ 9109026110	AC CORD [J]	
	△ 9109026210	AC CORD, UL [US,C]	
I- 3	△ 9121000102	BUSHING, #2271	
I- 4	*9260181501	REAR PANEL [US,C]	
	*9260183101	REAR PANEL [GE]	
	*9260185901	REAR PANEL [J,E,UK,A]	
I- 5	*9145123500	SELECTOR SW PCB ASSY [GE]	
I- 6	*9260175500	LINKAGE BRACKET	
I- 7	*9145123400	TRANS PCB A ASSY [US,C]	
	*9145123410	TRANS PCB A ASSY [E,UK,A]	
	*9145123420	TRANS PCB A ASSY [GE]	
	*9145123430	TRANS PCB A ASSY [J]	
I- 8	*9145123600	TRANS PCB B ASSY	
I- 9	△ 9125101000	POWER TRANSFORMER [US,C]	
	△ 9125101200	POWER TRANSFORMER [J,GE,E,UK,A]	
I-10	*9260182600	POWER LINKAGE	
I-11	9260132900	POWER BUTTON	
I-12	*9145123800	REC AMP PCB ASSY	W-800R
I-13	*9145123102	MAIN PCB ASSY	W-800R
	*9145123113	MAIN PCB ASSY	W-700R
I-14	-----	MAIN CHASSIS	
I-15	*9260151300	PCB SUPPORT	
I-16	*9260184800	PCB SUPPORT, H=8	W-800R
I-17	9260156500	VR KNOB	
I-18	9260151001	PAN CAP KNOB	
I-19	*9260113901	FOOT ASSY	
I-21	*9783053006	SCREW, CAP-S M3X6 (BLK)	
I-22	*9783593008	SCREW, C-TITE M3X8 (NI-BLK)	
I-23	*9783233008	SCREW, BTT-S M3X8 (BLK) [GE]	
I-24	*9783613008	SCREW, BTT-P M3X8 (BLK)	
I-25	*9783233006	SCREW, BTT-S M3X6 (BLK)	
I-26	*9783203006	SCREW, BTT-S M3X6	
I-27	*9783203014	SCREW, BTT-S M3X14	
I-28	*9783103006	SCREW, CAP-S M3X6	
I-29	*9783294008	SCREW, BTB-S M4X8	
I-30	*9783203008	SCREW, BTT-S M3X8	

INCLUDED ACCESSORIES

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
	*9101395900	OWNER'S MANUAL, ENGLISH [EXCEPT J]	W-800R
	*9101395600	OWNER'S MANUAL, ENGLISH	W-700R
	*9101396001	OWNER'S MANUAL, JAPANESE [J]	W-800R
	*9101395700	OWNER'S MANUAL, 5-LANGUAGE [C,E]	
	*9109027100	IN-OUTPUT CORD	
	*9151001500	REMOTE CONTROL UNIT, RC-506 [J]	W-800R
	*5347016500	BATTERY, UM-4 [J]	W-800R

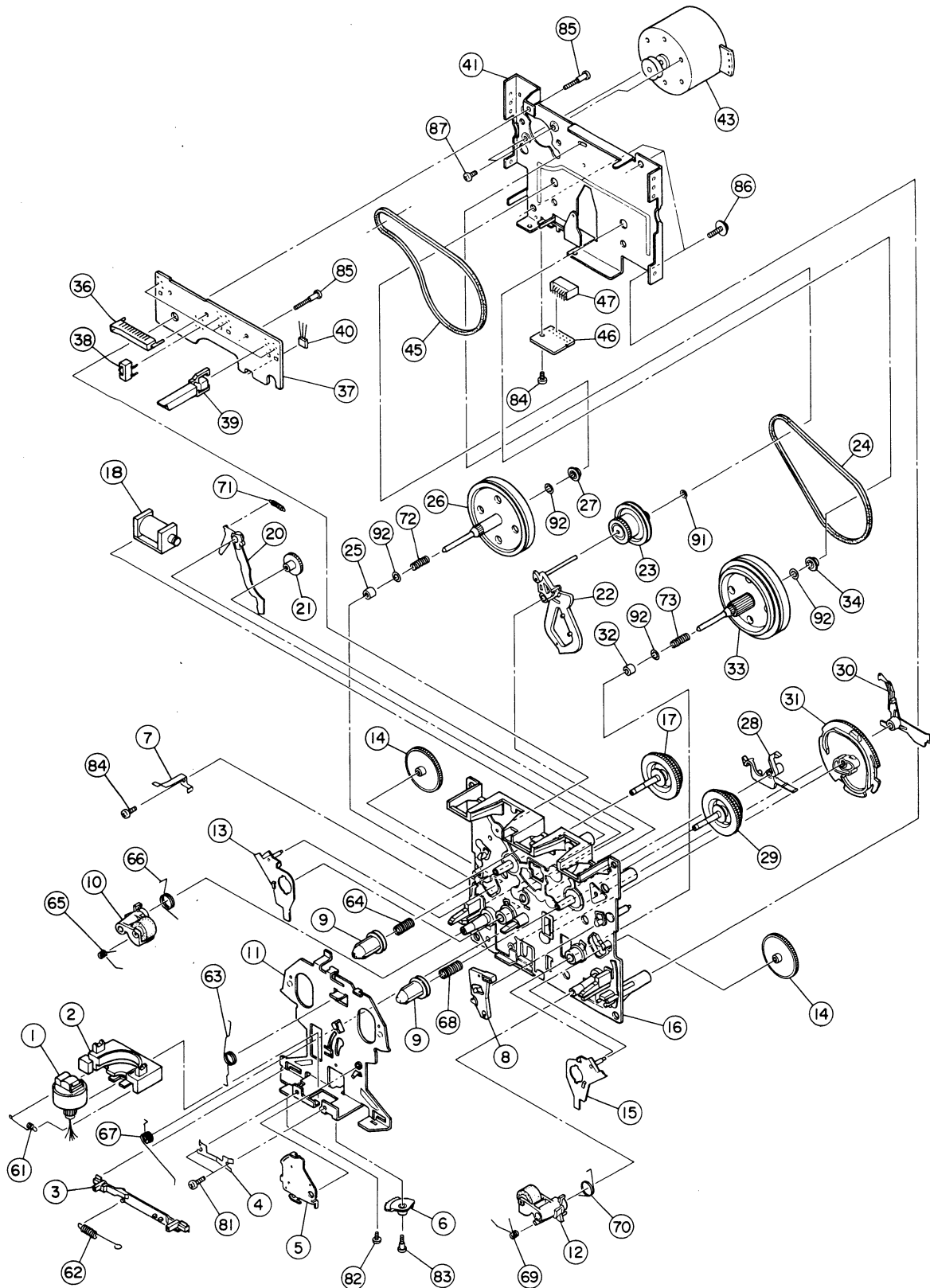
EXPLODED VIEW-2



EXPLODED VIEW-2

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
2- 1	*9278033500	MECH ASSY, R/P CRP-482	W-700R DECK 2, W-800R
2- 2	*9278033600	MECH ASSY, PLAY CRP-483	W-700R DECK 1
2- 3	9260185401	EJECT ASSY	
2- 4	*9260181602	TOP BRACKET	
2- 5	*9260185302	SHIELD PLATE	
2- 6	*9145123201	CONTROL PCB ASSY	W-800R
	*9145123211	CONTROL PCB ASSY	W-700R
2- 7	*9145123300	CONNECTOR PCB ASSY	
2- 8	*9260181700	JACK BRACKET	W-800R
2- 9	*9145124300	MIC JACK PCB ASSY	W-800R
2-10	*9260188200	FRONT PANEL ASSY	W-800R
	*9260188100	FRONT PANEL ASSY	W-700R
2-11	9260077301	DAMPER	
2-12	9260185001	STOPPER CASE, L	
2-13	*9260185101	STOPPER CASE, R	
2-14	*9260182001	REC BUTTON	
2-15	9260182301	FF/REW BUTTON	W-800R
	9260182201	FF/REW BUTTON	W-700R
2-16	9260182501	EJECT BUTTON	
2-17	*9260188300	TEAC EMBLEM	
2-18	*5800822400	REFLECT TAPE	
2-19	*9260183302	METER COVER [US,C,GE,A]	
	*9260186102	METER COVER [J,E,UK]	
2-20	*9260182400	CLEAR BUTTON	
2-21	*9260181901	READ CASE	
2-22	*9260182101	PLAY BUTTON	
2-23	*9260183201	CASE SPRING	
2-24	*9260185701	READ DOOR C	W-800R
	*9260181801	READ DOOR A	W-700R
2-25	*9260185601	READ DOOR B	
2-26	*9260183400	L/D COVER	
2-31	*9783603008	SCREW, BTT-P M3X8	
2-32	*9783202006	SCREW, BTT-S M2X6	
2-33	*9783202606	SCREW, BTT-S M2.6X6	W-800R
2-34	*9783413008	SCREW, CAP-P M3X8 (BLK)	

EXPLODED VIEW-3



EXPLODED VIEW-3

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
3- 1	9278336800	ASSY HOLDER HEAD	W-700R DECK 2, W-800R W-700R DECK 1
	9278330000	ASSY HOLDER HEAD	
3- 2	*9278330100	FLAME HEAD	
3- 3	*9278330200	LEVER HEAD	
3- 4	*9278330300	SPRING AZIMUTH	
3- 5	*9278330400	ASSY ARM ASSIST	
3- 6	*9278330500	GEAR ARM HEAD	
3- 7	*9278330600	SPRING CASSETTE	
3- 8	*9278330700	EJECT LOCK	
3- 9	*9278330800	CAP REEL	
3-10	9278330900	ASSY PINCH ARM L	
3-11	*9278331000	CHASSIS HEAD	
3-12	9278331100	ASSY PINCH ARM R	
3-13	*9278331200	ARM PLAY L	
3-14	9278331300	GEAR PLAY	
3-15	*9278331400	ARM PLAY R	
3-16	*9278331500	CHASSIS OS.	
3-17	9278331600	ASSY SUB REEL L	
3-18	9278331700	SOLENOID	
3-20	*9278331900	ARM RVS	
3-21	9278332000	GEAR FF	
3-22	*9278332100	ASSY ARM FR	
3-23	9278332200	ASSY PULLEY FR	
3-24	9278332300	BELT FR	
3-25	9278332400	METAL	
3-26	*9278332500	ASSY FLYWHEEL L	
3-27	*9278332600	METAL	
3-28	9278332700	ARM BRAKE	
3-29	9278332800	ASSY SUB REEL R	
3-30	9278332900	ARM TRIGER	
3-31	9278333000	GEAR CAM	
3-32	*9278333100	METAL	
3-33	9278333200	ASSY FLYWHEEL R	
3-34	*9278333300	METAL	
3-36	*9278333500	HOLER WIRE	
3-37	*9278333600	P.C.BOARD	
3-38	*9278333700	SWITCH MODE	
3-39	*9278333800	SWITCH LEAF	
3-40	*9278333900	HALL IC.	
3-41	*9278334000	BRACKET FW	
3-43	9278334100	ASSY MOTOR	
3-45	9278334300	BELT MAIN	
3-46	*9278334400	P.C.BOARD	
3-47	*9278334500	HOUSING	
3-61	*9278334600	SPRING	
3-62	*9278334700	SPRING	
3-63	*9278334800	SPRING	
3-64	9278334900	SPRING	
3-65	*9278335000	SPRING	
3-66	*9278335100	SPRING	
3-67	*9278335200	SPRING	
3-68	9278335300	SPRING	
3-69	*9278335400	SPRING	
3-70	*9278335500	SPRING	
3-71	*9278335600	SPRING	
3-72	9278335700	SPRING	
3-73	*9278335800	SPRING	
3-81	*9278335900	SCREW	
3-82	*9278336000	SCREW	
3-83	*9278336100	SCREW	
3-84	*9278336200	SCREW	
3-85	*9278336300	SCREW	
3-86	*9278336400	SCREW	
3-87	*9278154700	SCREW	
3-91	*9278336600	WASHER	
3-92	9278336700	WASHER	

6 PC BOARDS AND PARTS LIST

基板図とパーツリスト

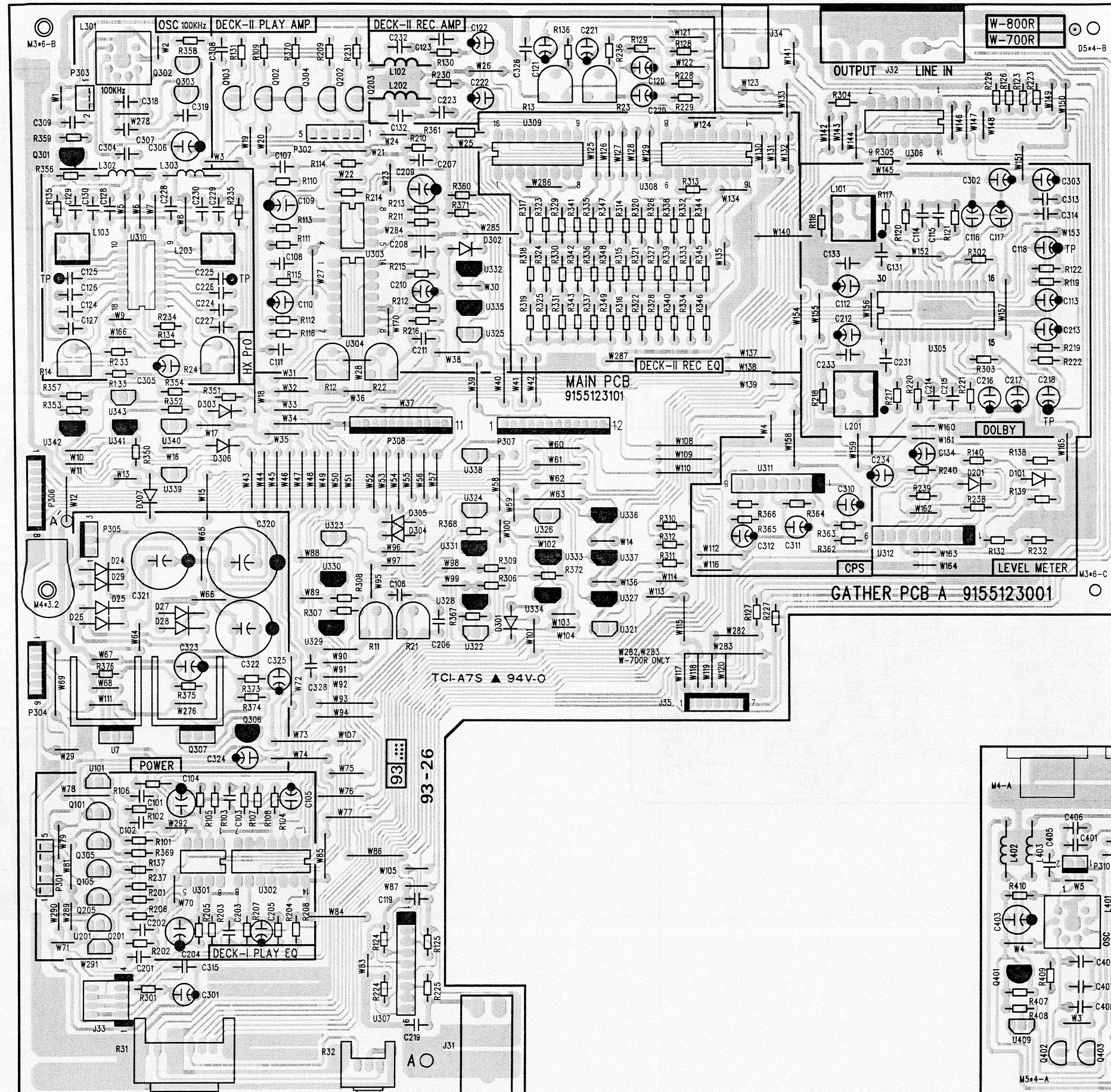
MAIN PCB ASSY [W-800R]

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123102	MAIN PCB ASSY (W-800R)
	*9155123101	MAIN PCB
	9781801000	NUT, M9
	9294005900	WASHER, 9.1
	*9260069800	HEAT SINK
	9783213008	SCREW, BTT-B M3X8
	9229021000	EARTH PLATE (A)
C320	△ 9117302000	C, ELEC 3300UF/16V
C321	△ 9117258000	C, ELEC 1000UF/16V
C322	△ 9117273510	C, ELEC 2200UF/16V
D 24- 29	△ 9165020550	DIODE, 1N4003
D101,201	9165022150	DIODE, 1SS133T
D301-307	9165022150	DIODE, 1SS133T
J 31	9143327000	PHONE JACK
J 32	9143188000	PIN JACK, 4P
J 33	5336347400	CONNECTOR SOCKET
J 34	9143312000	MINIATURE JACK
J 35	9143337000	CONNECTOR PLUG, 7P
L101,201	9122019400	LOW-PASS FILTER, MPX
L102,202	9122019300	COIL, 22MH
L103,203	9173007700	COIL, STEP UP
L301	9173008200	COIL, OSC 100KHZ
L302,303	9173006350	COIL, 220UH
P304	9143329000	CONNECTOR PLUG, 6P
P305	9143171000	CONNECTOR PLUG, 3P
P306	9143325000	CONNECTOR PLUG, 8P
P307	9143240000	CONNECTOR PLUG, 12P
P308	9143239000	CONNECTOR PLUG, 11P
Q101,201	9163309420	TR, 2SC1815GR
Q102,202	9163309420	TR, 2SC1815GR
Q103,203	9163311520	TR, 2SC2240GR
Q105,205	9163311520	TR, 2SC2240GR
Q301	9163009920	TR, 2SA1015GR
Q302,303	9163309420	TR, 2SC1815GR
Q304,305	9163311520	TR, 2SC2240GR
Q307	△ 5220432900	IC, M5F79M07L
R 11, 21	9112059810	VR, SEMI-FIXED 10K(B)
R 12, 22	9112059810	VR, SEMI-FIXED 10K(B)
R 13, 23	9112057010	VR, SEMI-FIXED 22K(B)
R 14, 24	9112059810	VR, SEMI-FIXED 10K(B)
R 31	9172021700	VR, 50KAX2
R 32	9172021300	VR, 100KWX1
U 7	△ 5220432200	IC, M5F78M07L
U101,201	9163310420	TR, DTC124ES
U301,303	9167014000	IC, UPC4570C
U302,304	9167009800	IC, TC4066BP
U305	9167019200	IC, CXA1331S
U306	9167009800	IC, TC4066BP
U307	9167012100	IC, NJM4558S
U308	9167019600	IC, CXA1198AP
U309	9167018900	IC, BU4051B
U310	9167012800	IC, UPC1297CA
U311	5220426200	IC, M51143AL
U312	9167012100	IC, NJM4558S
U321-326	9163310420	TR, DTC124ES
U327-337	9163011220	TR, DTA124ES
U338-340	9163310420	TR, DTC124ES
U341,342	9163011220	TR, DTA124ES
U343	9163310420	TR, DTC124ES

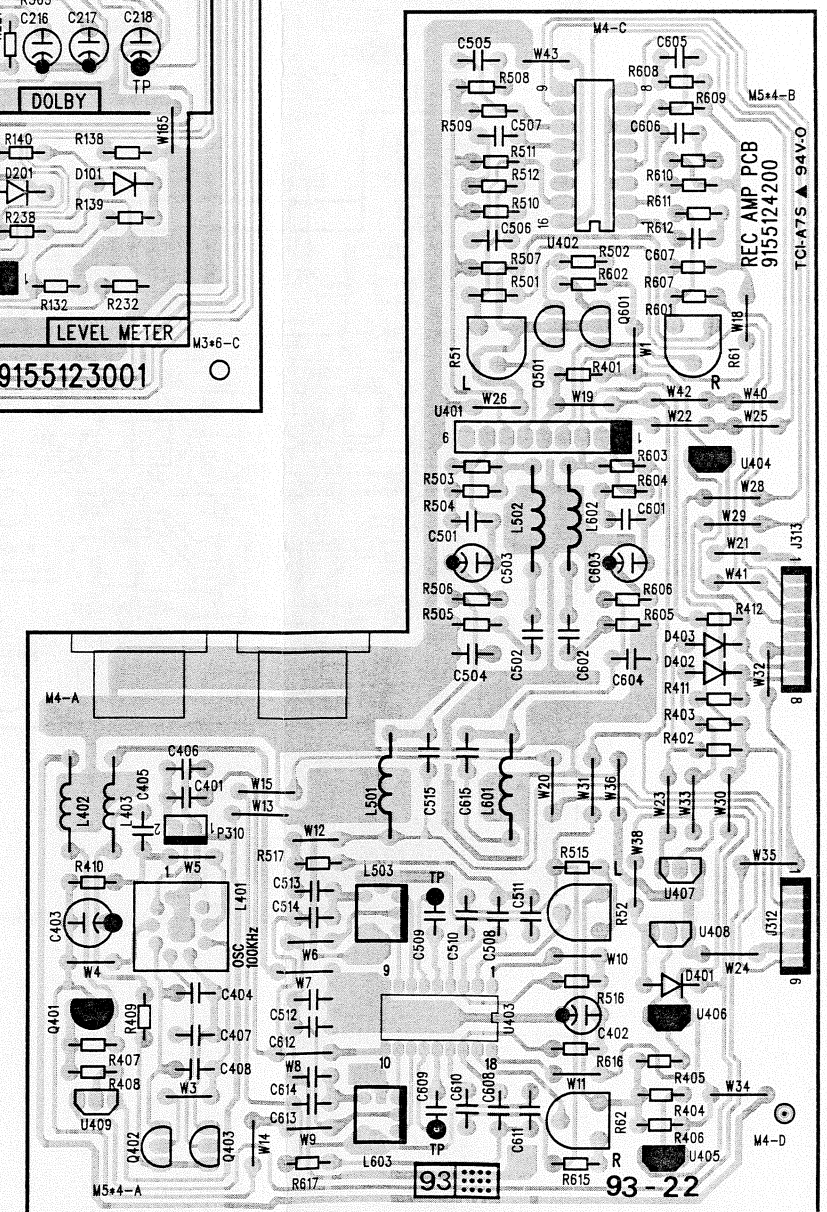
MAIN PCB ASSY [W-700R]

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123113	MAIN PCB ASSY (W-700R)
	*9155123101	MAIN PCB
	9781801000	NUT, M9
	9294005900	WASHER, 9.1
	*9260069800	HEAT SINK
	9783213008	SCREW, BTT-B M3X8
	9229021000	EARTH PLATE (A)
C320	△ 9117302000	C, ELEC 3300UF/16V
C321	△ 9117258000	C, ELEC 1000UF/16V
C322	△ 9117273510	C, ELEC 2200UF/16V
D 24- 29	△ 9165020550	DIODE, 1N4003
D101,201	9165022150	DIODE, 1SS133T
D302-307	9165022150	DIODE, 1SS133T
J 31	9143327000	PHONE JACK
J 32	9143188000	PIN JACK, 4P
J 33	5336347400	CONNECTOR SOCKET
J 34	9143312000	MINIATURE JACK
L101,201	9122019400	LOW-PASS FILTER, MPX
L102,202	9122019300	COIL, 22MH
L103,203	9173007700	COIL, STEP UP
L301	9173008200	COIL, OSC 100KHZ
L302,303	9173006350	COIL, 220UH
P305	9143171000	CONNECTOR PLUG, 3P
P307	9143240000	CONNECTOR PLUG, 12P
P308	9143239000	CONNECTOR PLUG, 11P
Q102,202	9163309420	TR, 2SC1815GR
Q103,203	9163311520	TR, 2SC2240GR
Q301	9163009920	TR, 2SA1015GR
Q302,303	9163309420	TR, 2SC1815GR
Q304	9163311520	TR, 2SC2240GR
Q307	△ 5220432900	IC, M5F79M07L
R 11, 21	9112059810	VR, SEMI-FIXED 10K(B)
R 12, 22	9112059810	VR, SEMI-FIXED 10K(B)
R 13, 23	9112057010	VR, SEMI-FIXED 22K(B)
R 14, 24	9112059810	VR, SEMI-FIXED 10K(B)
R 31	9172021700	VR, 50KAX2
R 32	9172021300	VR, 100KWX1
U 7	△ 5220432200	IC, M5F78M07L
U101,201	9163310420	TR, DTC124ES
U301,303	9167014000	IC, UPC4570C
U302,304	9167009800	IC, TC4066BP
U305	9167019200	IC, CXA1331S
U306	9167009800	IC, TC4066BP
U307	9167012100	IC, NJM4558S
U308	9167019600	IC, CXA1198AP
U309	9167018900	IC, BU4051B
U310	9167012800	IC, UPC1297CA
U312	9167012100	IC, NJM4558S
U321-325	9163310420	TR, DTC124ES
U327-332	9163011220	TR, DTA124ES
U335-337	9163011220	TR, DTA124ES
U338-340	9163310420	TR, DTC124ES
U341,342	9163011220	TR, DTA124ES
U343	9163310420	TR, DTC124ES

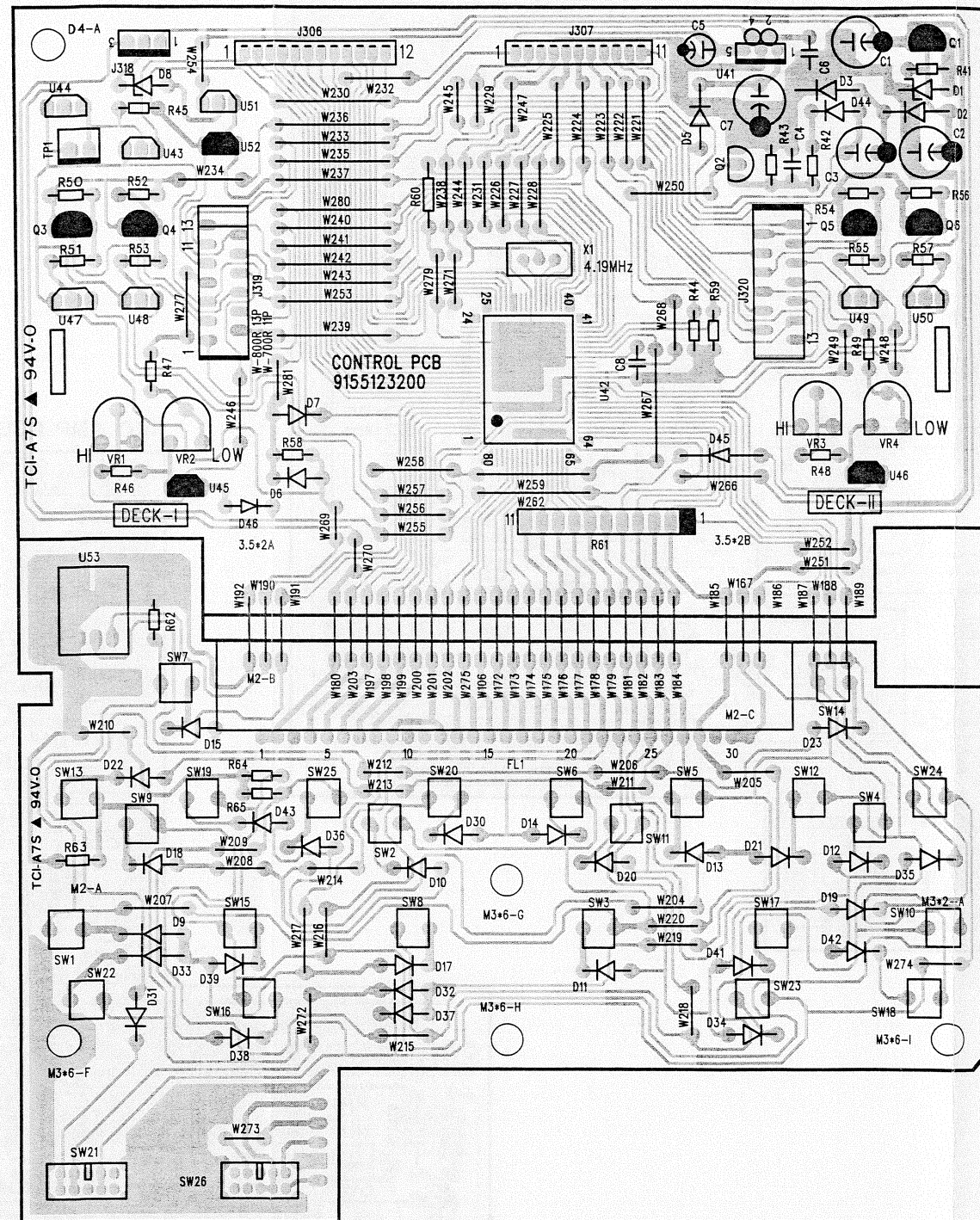
MAIN PCB



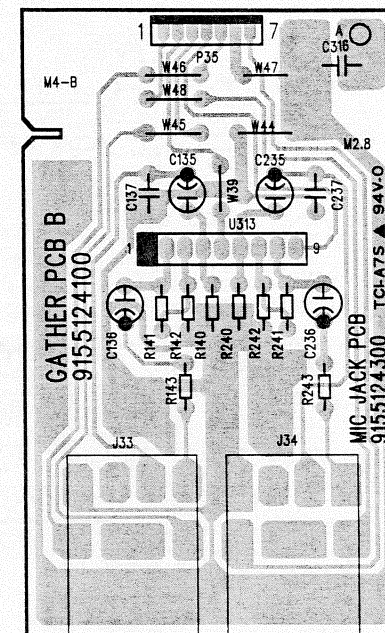
REC AMP PCB



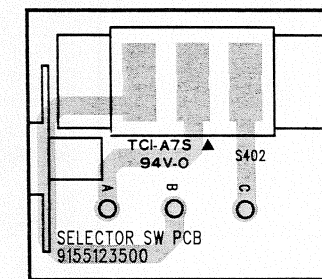
CONTROL PCB



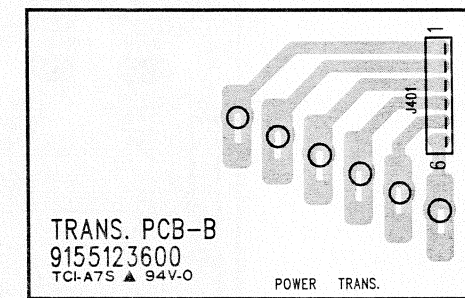
MIC JACK PCB



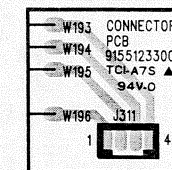
SELECTOR SW PCB



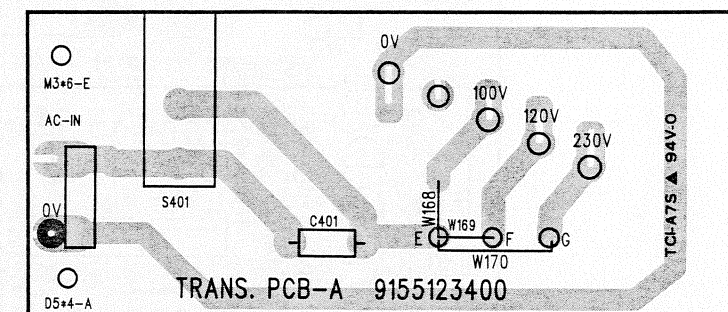
TRANS. PCB B



CONNECTOR PCB



TRANS. PCB A



REC AMP PCB ASSY [W-800R]

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123800	REC AMP PCB ASSY
	*9155123800	REC AMP PCB
D401-403	9165022150	DIODE, ISS133T
J312	9143334000	CONNECTOR SOCKET, 6P
J313	9143324000	CONNECTOR PLUG, 8P
L401	9173008200	COIL, OSC 100KHZ
L402,403	9173006350	COIL, 220UH
L501,601	9122019300	COIL, 22MH
L502,602	9122018910	COIL, 8.2MH
L503,603	9173007700	COIL, STEP UP
P310	9143170000	CONNECTOR PLUG, 2P
Q401	9163009920	TR, 2SA1015GR
Q402,403	9163309420	TR, 2SC1815GR
Q501,601	9163310620	TR, 2SC2878A
R 51, 61	9112057010	VR, SEMI-FIXED 22K(B)
R 52, 62	9112059810	VR, SEMI-FIXED 10K(B)
U401	9167012100	IC, NJM4558S
U402	9167019800	IC, BU4052B
U403	9167012800	IC, UPC1297CA
U404-406	9163011220	TR, DTA124ES
U407-409	9163310420	TR, DTC124ES

CONTROL PCB ASSY [W-800R]

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123201	CONTROL PCB ASSY (W-800R)
	*9155123200	CONTROL PCB
	*9260184201	FL SPACER, L
	*9260185201	FL SPACER, R
D 1	9166051550	DIODE, ZENER MTZJ27B
D 2, 3	9165020550	DIODE, IN4003
D 5	9165020550	DIODE, IN4003
D 6, 7	9165022150	DIODE, ISS133T
D 8	9166051650	DIODE, ZENER MTZJ3.9B
D 9- 15	9165022150	DIODE, ISS133T
D 17- 23	9165022150	DIODE, ISS133T
D 30- 39	9165022150	DIODE, ISS133T
D 41- 46	9165022150	DIODE, ISS133T
FL 1	9174015700	FL DISPLAY, BJ-185GKB
J318	9143171000	CONNECTOR PLUG, 3P
J319,320	9143333000	WIRE CONNECTOR, 13P
Q 1	9163009920	TR, 2SA1015GR
Q 2	9163309420	TR, 2SC1815GR
Q 3- 6	9163011620	TR, 2SA1020Y
R 61	9111252000	RESISTOR ARRAY, 100KX10
SW 1- 20	9136001820	SW, TACT
SW21, 26	9135033200	SW, SLIDE
SW22- 25	9136001820	SW, TACT
TP 1	9160013000	TP PIN, 2P
U 41	9167018500	IC, L78LR05D-MA
U 42	9167023600	IC, UPD78042GF-046
U 43, 44	9163310420	TR, DTC124ES
U 45, 46	9163011220	TR, DTA124ES
U 47- 51	9163310420	TR, DTC124ES
U 52	9163011220	TR, DTA124ES
U 53	5292211000	REMOTE CONT. MODULE
VR 1- 4	9112059910	VR, SEMI-FIXED 2.2K(B)
X 1	5347017700	OSC, CERAMIC

CONTROL PCB ASSY [W-700R]

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123211	CONTROL PCB ASSY (W-700R)
	*9155123200	CONTROL PCB
	*9260184201	FL SPACER, L
	*9260185201	FL SPACER, R
D 1	9166051550	DIODE, ZENER MTZJ27B
D 2, 3	9165020550	DIODE, IN4003
D 5	9165020550	DIODE, IN4003
D 6, 7	9165022150	DIODE, ISS133T
D 8	9166051650	DIODE, ZENER MTZJ3.9B
D 9- 13	9165022150	DIODE, ISS133T
D 15	9165022150	DIODE, ISS133T
D 17- 21	9165022150	DIODE, ISS133T
D 23	9165022150	DIODE, ISS133T
D 34- 36	9165022150	DIODE, ISS133T
D 39	9165022150	DIODE, ISS133T
D 41- 46	9165022150	DIODE, ISS133T
FL 1	9174015700	FL DISPLAY, BJ-185GKB
J318	9143171000	CONNECTOR PLUG, 3P
J319	9143332000	WIRE CONNECTOR, 11P
J320	9143333000	WIRE CONNECTOR, 13P
Q 1	9163009920	TR, 2SA1015GR
Q 2	9163309420	TR, 2SC1815GR
Q 3- 6	9163011620	TR, 2SA1020Y
R 61	9111252000	RESISTOR ARRAY, 100KX10
SW 1- 5	9136001820	SW, TACT
SW 7- 12	9136001820	SW, TACT
SW14, 15	9136001820	SW, TACT
SW17- 19	9136001820	SW, TACT
SW21, 26	9135033200	SW, SLIDE
SW23- 25	9136001820	SW, TACT
TP 1	9160013000	TP PIN, 2P
U 41	9167018500	IC, L78LR05D-MA
U 42	9167023600	IC, UPD78042GF-046
U 43, 44	9163310420	TR, DTC124ES
U 45, 46	9163011220	TR, DTA124ES
U 47- 51	9163310420	TR, DTC124ES
U 52	9163011220	TR, DTA124ES
U 53	5292211000	REMOTE CONT. MODULE
VR 1- 4	9112059910	VR, SEMI-FIXED 2.2K(B)
X 1	5347017700	OSC, CERAMIC

MIC JACK PCB ASSY [W-800R]

REF.NO.	PARTS NO.	DESCRIPTION
	*9145124300	MIC JACK PCB ASSY
	*9155124300	MIC JACK PCB
J 33, 34	9143281010	MIC JACK
P 35	9143335000	CONNECTOR SOCKET, 7P
U313	9167012100	IC, NJM4558S

CONNECTOR PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123300	CONNECTOR PCB ASSY
	*9155123300	CONNECTOR PCB
J311	5336349400	CONNECTOR PLUG, 4P

W-800R/W-700R

SELECTOR SW PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123500	SELECTOR SW PCB ASSY [GE]
	*9155123500	SELECTOR SW PCB
	△ 9134010700	SW, AC SELECTOR

TRANS. PCB B ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123600	TRANS PCB B ASSY
	*9155123600	TRANS PCB B

TRANS. PCB A ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123400	TRANS PCB A ASSY [US,C]
	*9145123410	TRANS PCB A ASSY [E,UK,A]
	*9145123420	TRANS PCB A ASSY [GE]
	*9145123430	TRANS PCB A ASSY [J]
	*9155123400	TRANS PCB A
	5327009600	TERMINAL LAPPING, 2P[E,UK,A]
C401	△ 9120000100	SPARK KILLER 0.0047UF/250V
S401	△ 9135028900	SW, POWER

MEMO

W-800R/W-700R

TEAC®

ティアック株式会社

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サービスに関するお問合わせは、最寄りの営業所等へご連絡ください。
営業所にはサービス・センターが併設されています。

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Phone: 03-402-30229

TEAC AUSTRALIA PTY., LTD. A.C.N. 005 408 482

106 Bay Street, Port Melbourne, Victoria 3207, Australia

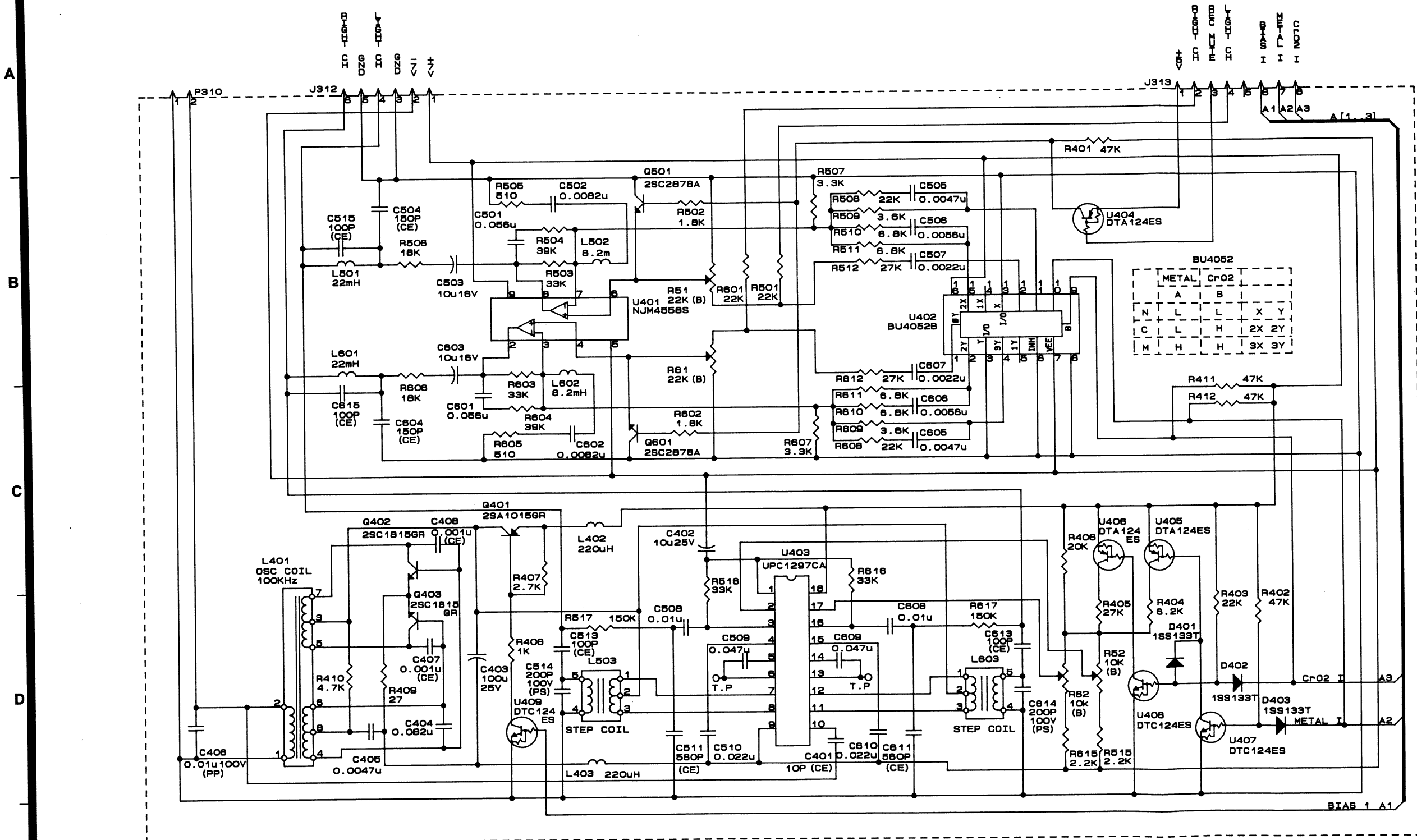
Phone: (03) 646-1733

TEAC ITALIANA S.p.A.

Via C. Cantù 5, Cinisello Balsamo, Milano, Italy

Phone: 02-66010500

TEAC SCHEMATIC DIAGRAM W-800R R/P AMP SECTION



INSTRUCTIONS FOR SERVICE PERSONNEL
BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

NOTES:
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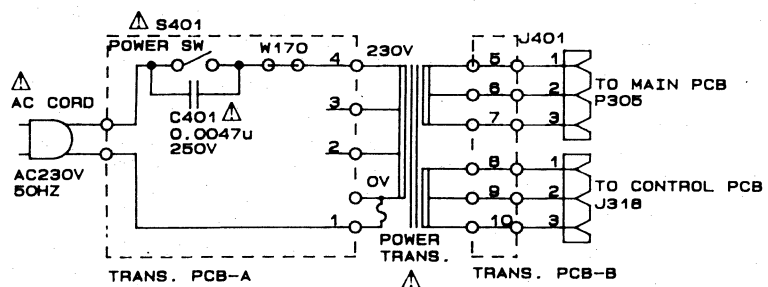
W-800R

Double Auto Reverse Cassette Deck

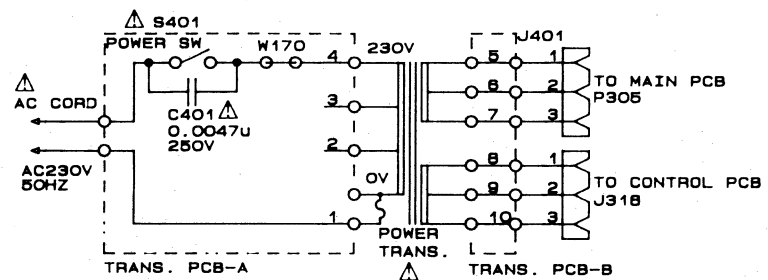
1st Issue; September 1993

TEAC SCHEMATIC DIAGRAM W-700R CONTROL SECTION

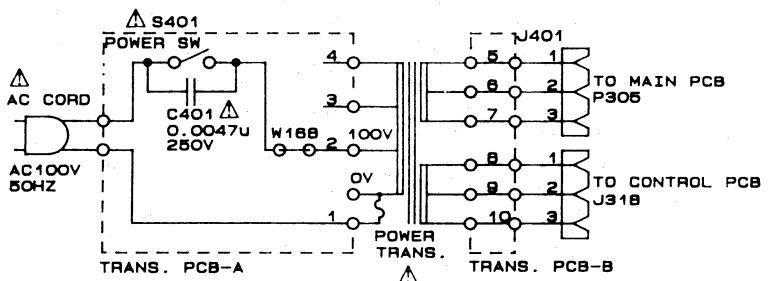
EUR, AUS



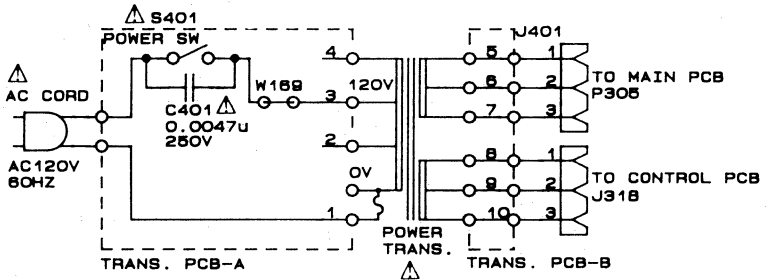
UK



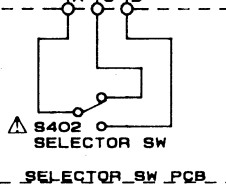
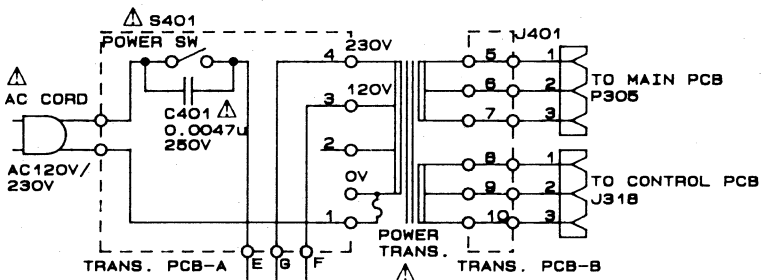
JPN



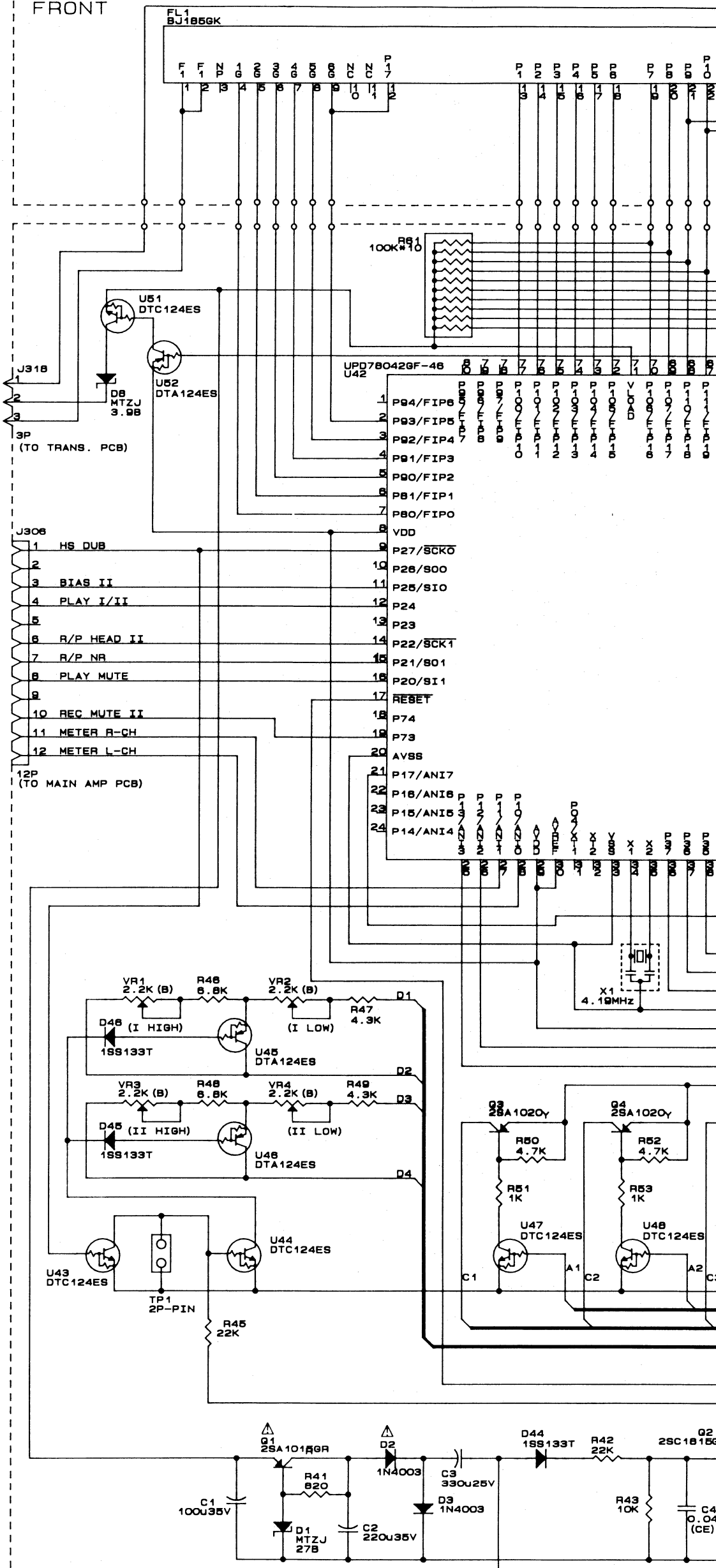
USA, CND



EX



FRONT



CONTROL PCB

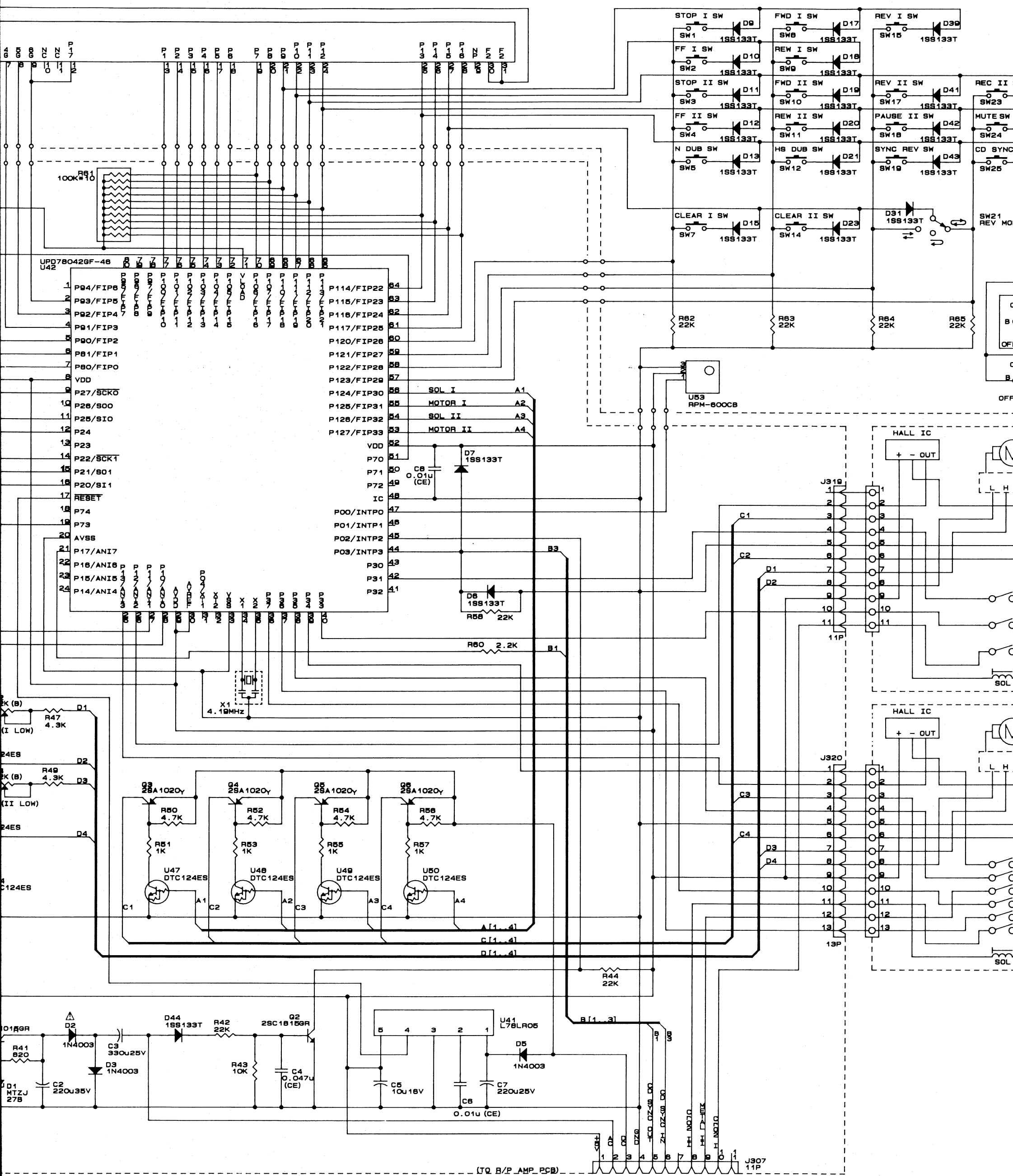
INSTRUCTIONS FOR SERVICE PERSONNEL
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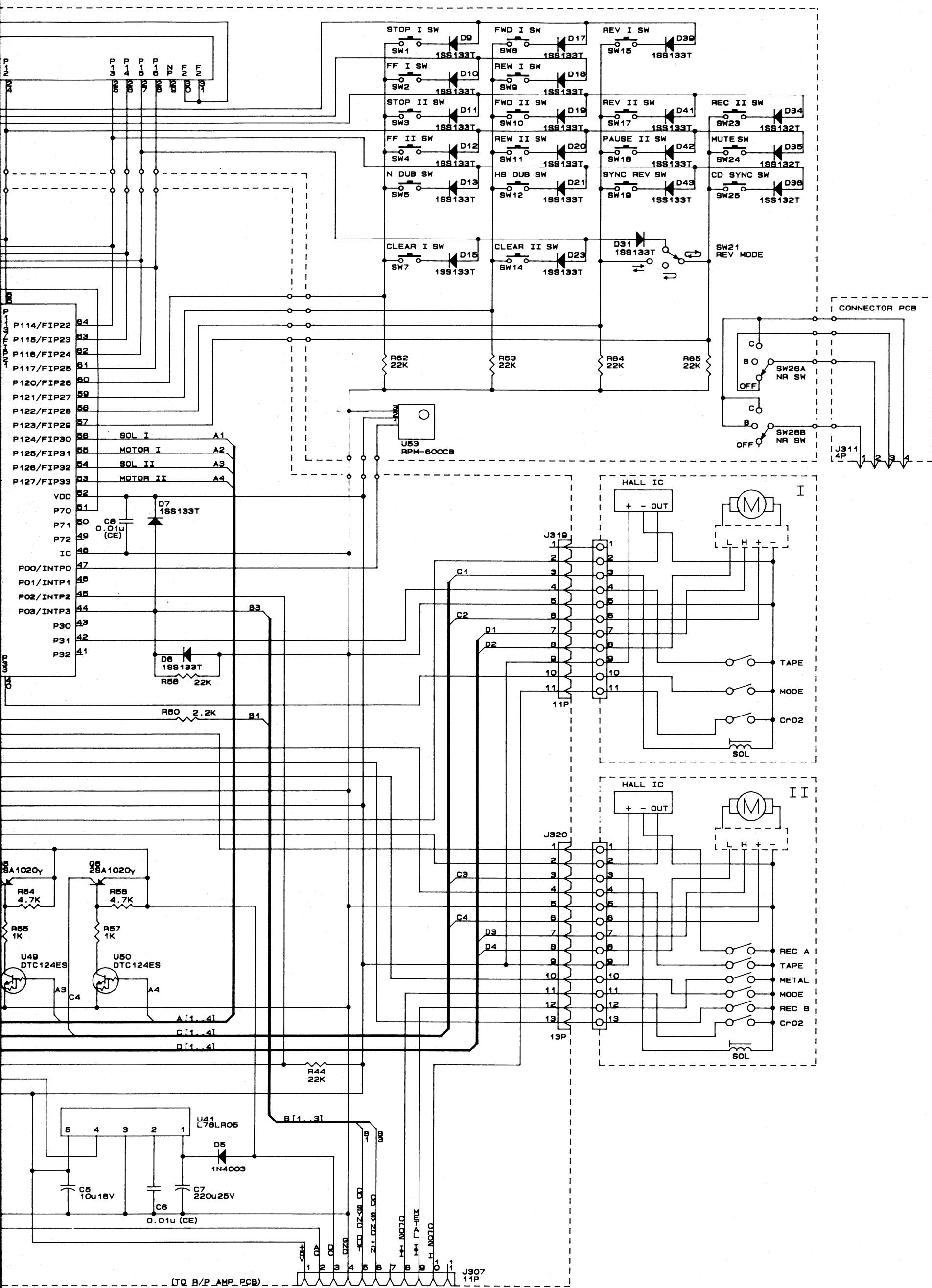


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Double Auto



W-700R

Double Auto Reverse Cassette Deck

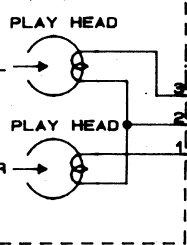
1 st Issue; September 1993

TEAC SCHEMATIC DIAGRAM W-700R R/P AMP SECTION

1 2 3 4 5

A

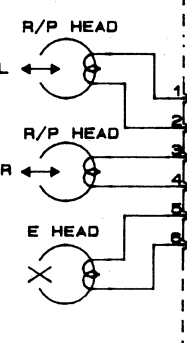
DECK I



B

C

DECK II



D

E

F

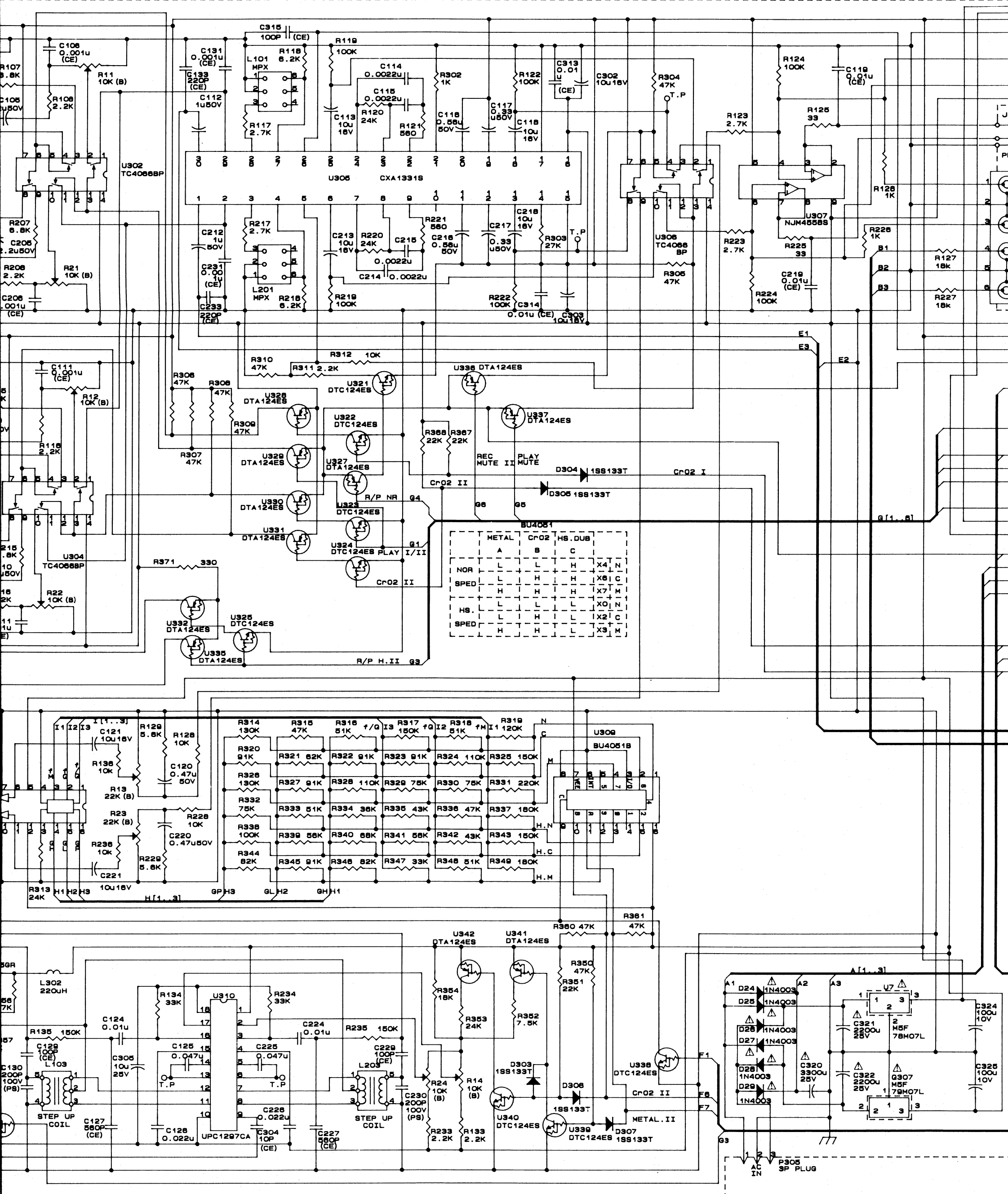
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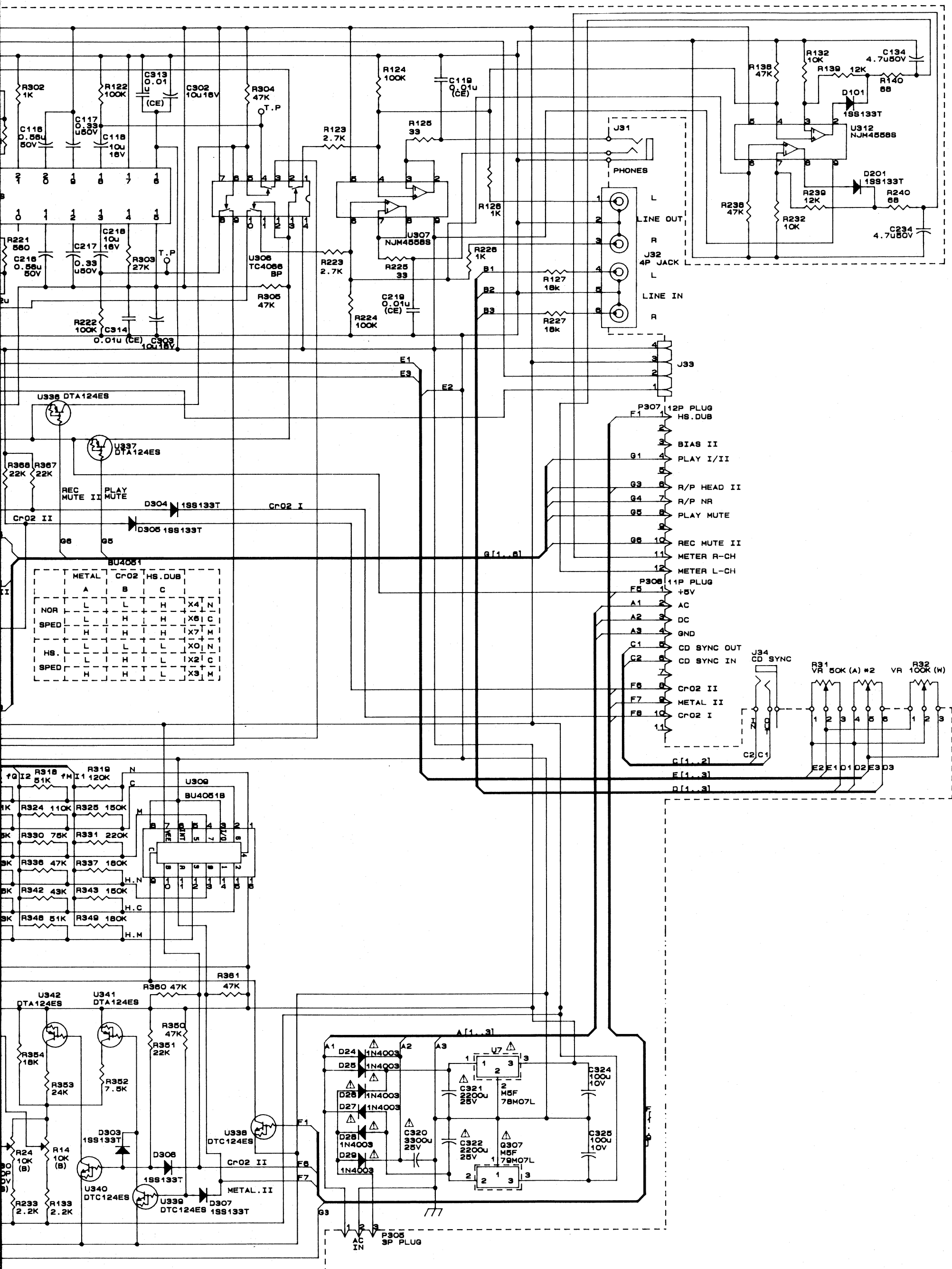
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INSTRUCTIONS FOR SERVICE PERSONNEL
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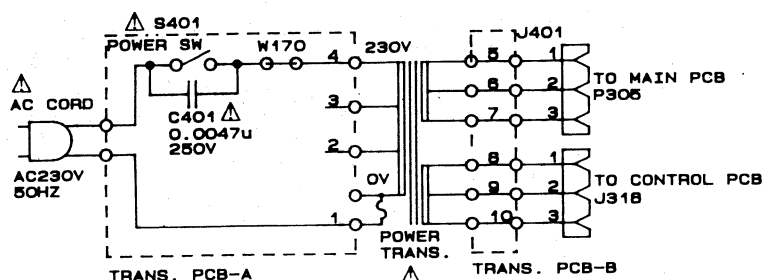
W-700R

Double Auto Reverse Cassette Deck

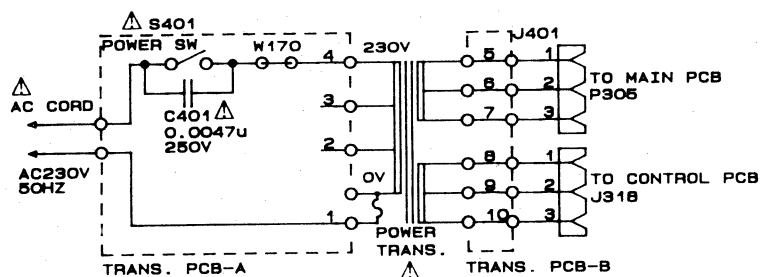
1st Issue; September 1993

TEAC SCHEMATIC DIAGRAM W-800R CONTROL SECTION

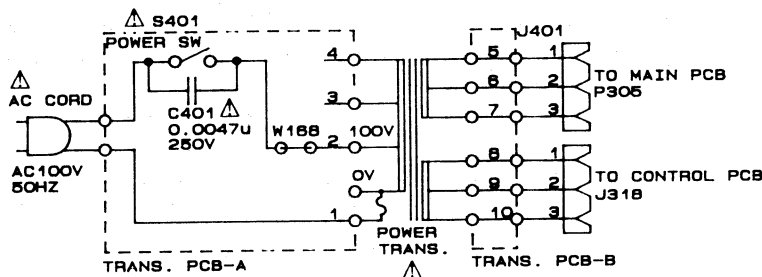
EUR, AUS



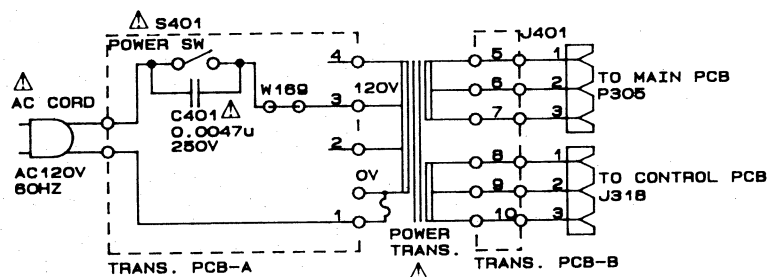
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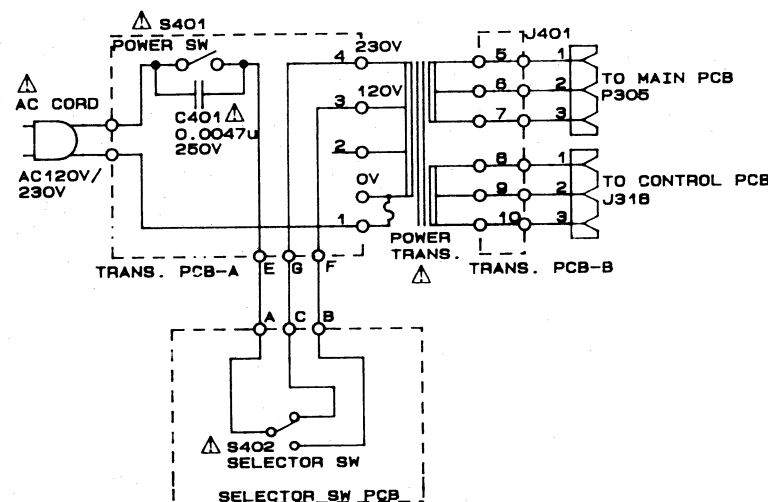
JPN



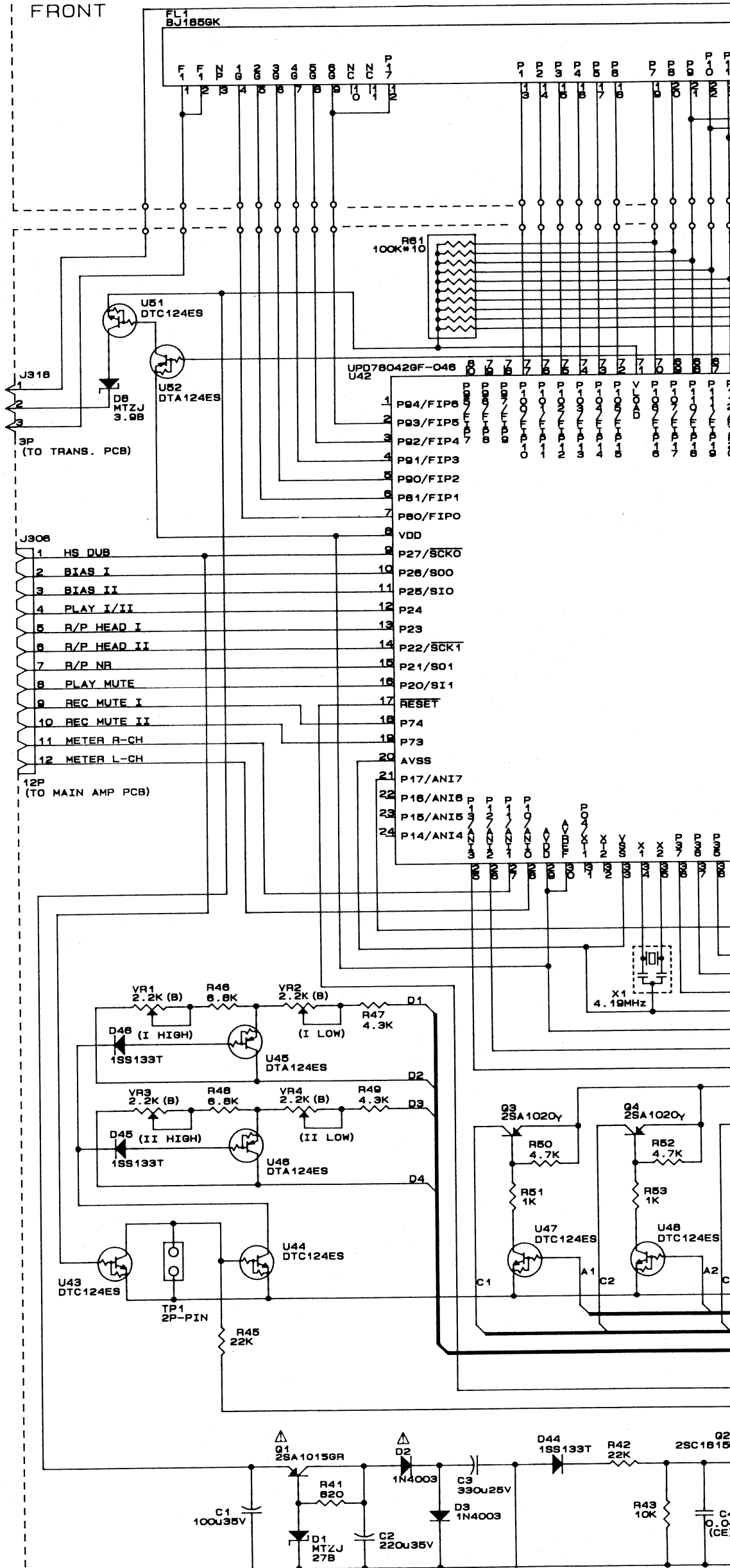
USA, CND



EX



FRONT



CONTROL PCB

INSTRUCTIONS FOR SERVICE PERSONNEL

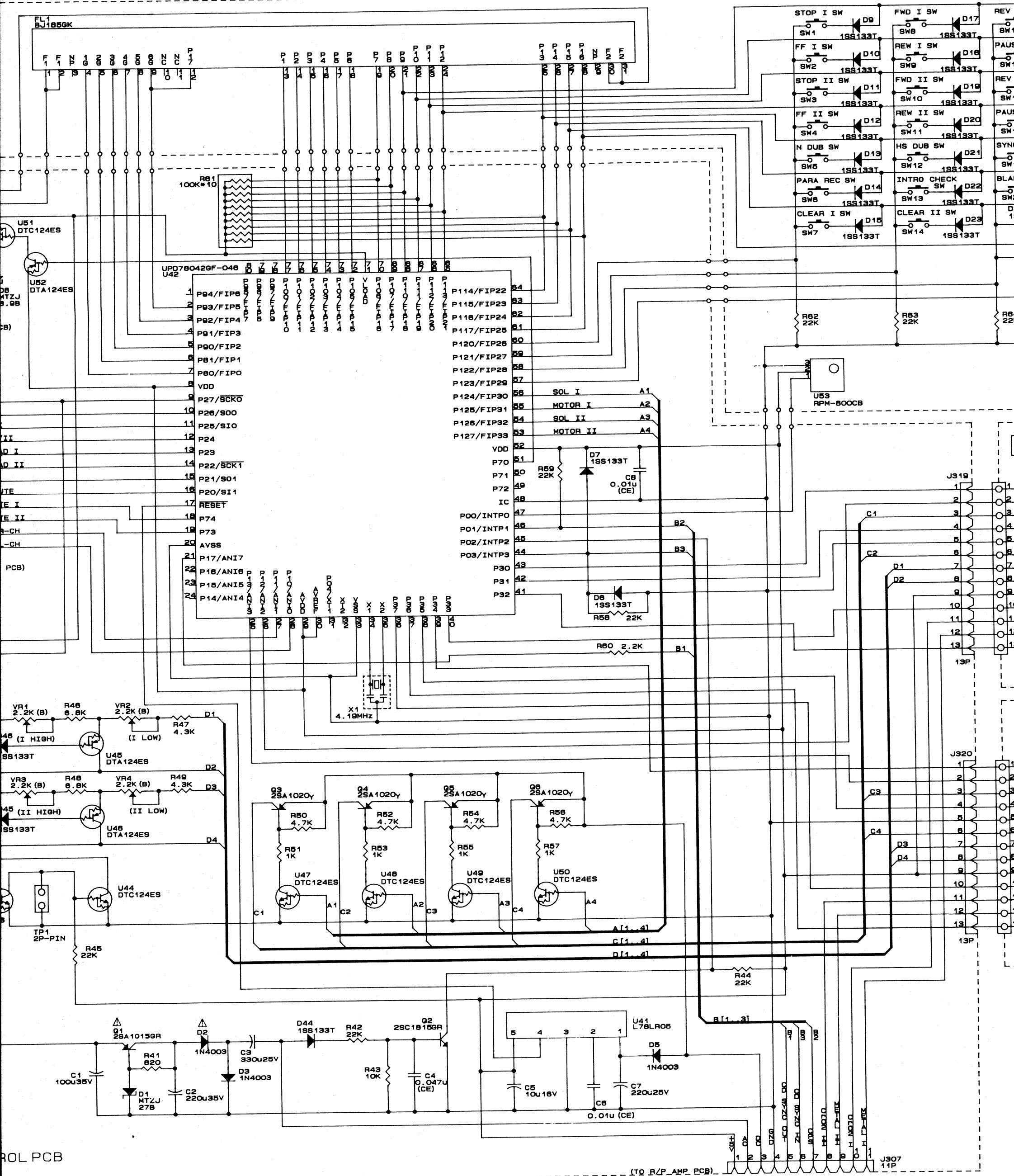
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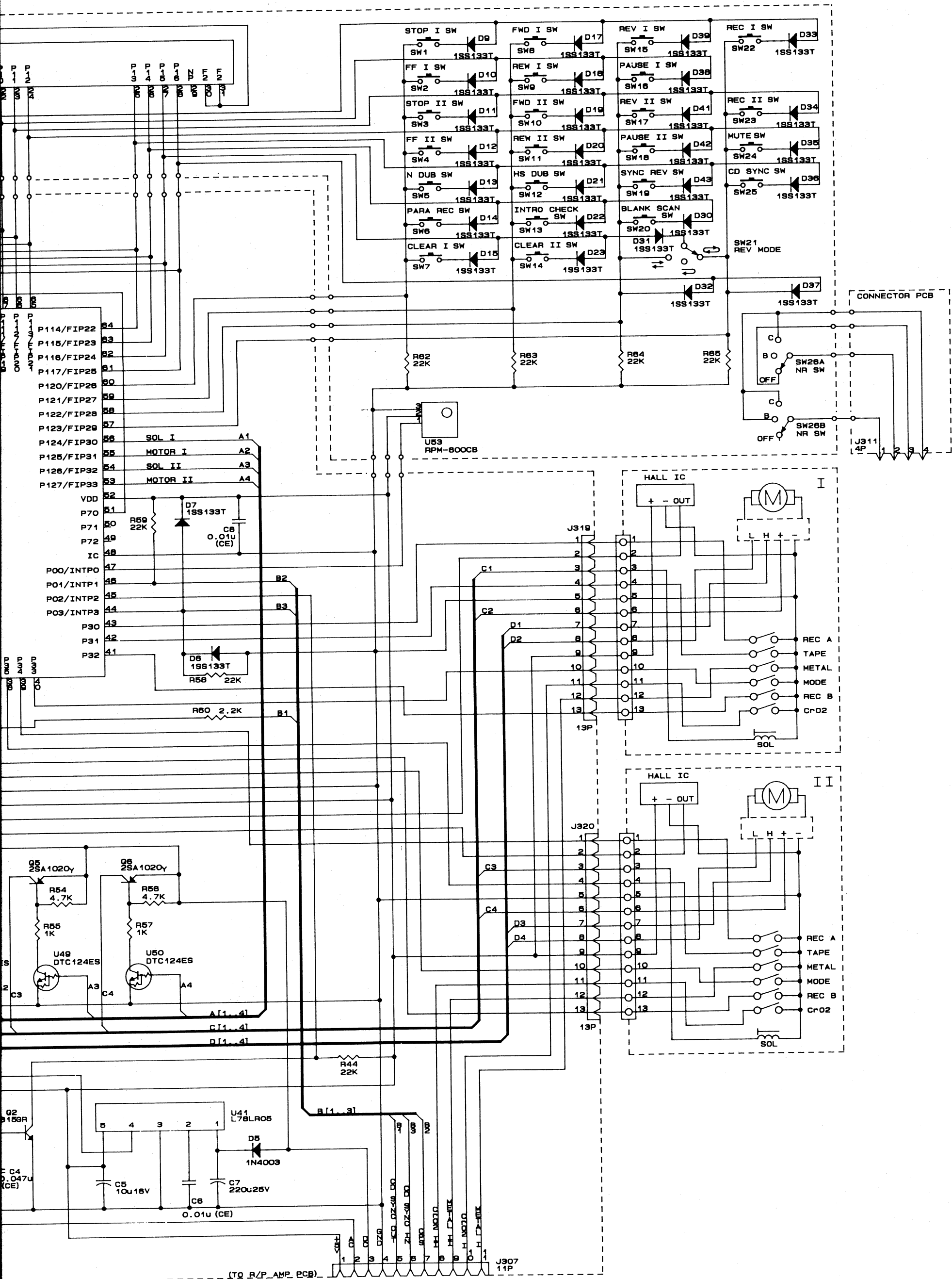
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in microfarads (p=picofarads).
this sign are safety critical components.
replaced with identical components refer
parts list and ensure exact replacement.



W-800R

Double Auto Reverse Cassette Deck

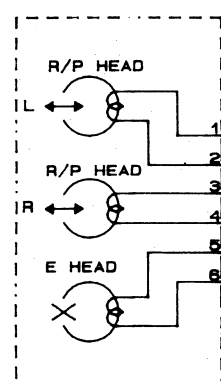
1st Issue; September 1993

TEAC SCHEMATIC DIAGRAM W-800R R/P AMP SECTION

1 2 3 4 5

A

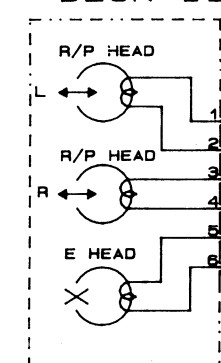
DECK I



B

C

DECK II



D

E

F

G

H

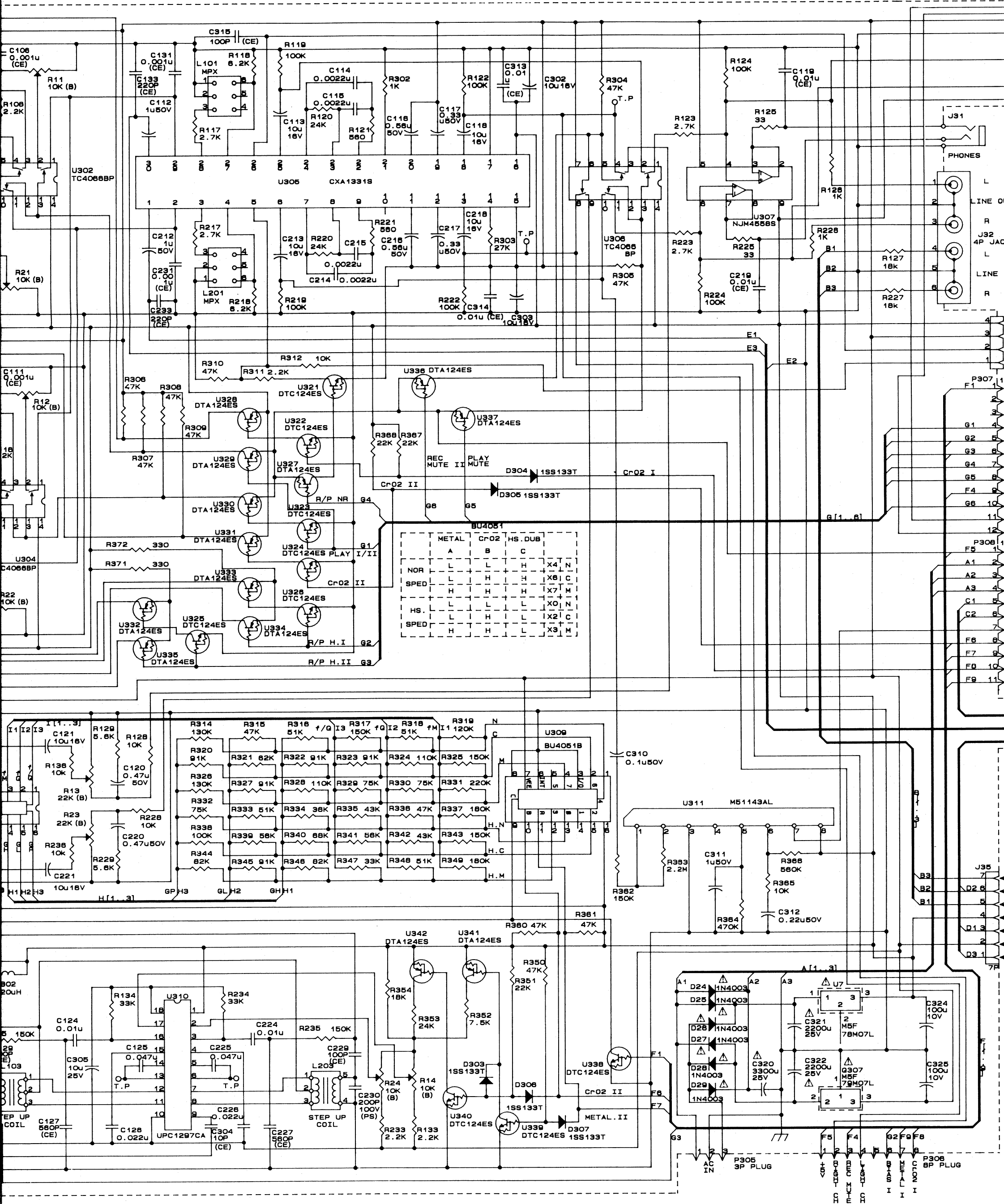
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